The following competencies have been identified as those that best separate superior from satisfactory job performance in the class of BUILDING MECHANICAL ENGINEER. (Numbers refers to the order of the competencies in the Competency Bank.)

3. Judgment and Decision Making  
8. Safety Focus  
14. Composure  
20. Job Knowledge  
33. Interpersonal Skills  
45. Oral Communication  
47. Written Communication

On the following pages are descriptions of each competency, including a definition, the level of the competency required for the class (italicized, bolded, and underlined), examples of behavioral indicators, and satisfactory and superior performance levels.
3. JUDGMENT AND DECISION MAKING – Accurately assesses situations, seeks new information if necessary, and applies all available information to reach sound conclusions/formulate effective response.

Level of Competency Required by Job:

Level 1: Training and guidelines needed to respond to immediate situations within very specific function are provided (or supervisor available to assist).

Level 2: General information and guidance to assist in responding to a variety of situations across a range of circumstances are provided.

Level 3: Little guidance available for responding to a wide range of complex situations with far-reaching and/or enduring consequences.

Examples of Behavioral Indicators:

- Effectively responds to atypical situations.
- Asks questions or otherwise obtains additional relevant information to make a decision.
- Formulates a decision and necessary actions based on available facts.
- Correctly infers appropriate response based on information provided and existing policies, personal experience, and/or consultation with others.
- Discusses conclusions/possible responses with others before taking action as necessary.
- Considers impact of decisions on all affected parties.

Performance Levels:

Satisfactory

Correctly assesses routine and unusual situations and reaches appropriate conclusions for actions needed. Obtains additional information and/or consults with others as necessary.

Superior

Evaluates new situations accurately to establish an appropriate response or plan of action. Recognizes the impact on all affected parties, as well as the possible ramifications and/or repercussions of setting a precedent.
8. SAFETY FOCUS – Performs work in a way that minimizes risk of injury to self or others.

Level of Competency Required by Job:

Level 1: Maintain awareness of unsafe conditions and actions to avoid injury.

Level 2: Follow safety rules/procedures; avoid known hazards in the work environment.

Level 3: Carefully follow safety rules and procedures and consistently use all necessary safety equipment.

Examples of Behavioral Indicators:

- Wears seat belt.
- Ensures safe physical work environment by taking actions such as eliminating unstable stacks of materials, closing drawers so filing cabinets will not tip over, and keeping pathways clear of tripping hazards.
- Reviews safety procedures before beginning each job with known hazards.
- Follows safety procedures while performing work even when it takes more time.
- Uses safety equipment such as goggles, gloves, and earplugs as required or warranted.
- Frequently checks safety equipment for proper condition and operation.

Performance Levels:

Satisfactory
Maintains awareness of personal safety to avoid injury or property damage during all work activities.

Superior
“Safety first.” Places avoidance of injury or property damage above all other job requirements. Mentions the need to follow safe work practices to co-workers. Actively seeks ways to avoid injury.
Safety Focus Areas

1. Knowledge of the California Health and Safety Code and American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) standards and guidelines related to safe building design, such as healthy indoor air quality and protection of potable water, sufficient to design efficient and safe buildings.

2. Knowledge of federal, state, and local safety regulations related to building operation and maintenance, construction, remediation, and demolition, sufficient to ensure protection of self and others in the workplace and at job sites.

3. Knowledge of necessary job site personal protective equipment (PPE), such as hardhats, reflective vests, eye protection, and protective footwear, sufficient to ensure protection of self and staff at job sites.
14. COMPOSURE – Maintains composure in difficult circumstances.

Level of Competency Required by Job:

Level 1: Display self-confidence in interactions with others; does not undermine own efforts or immediately succumb to pressure.

Level 2: **Remain self-assured and calm when challenged or subject to abuse.**

Level 3: Exude confidence in a wide variety of circumstances made difficult by many potent, diverse factors.

Examples of Behavioral Indicators:

- Maintains calm, composed demeanor in all work situations.
- Restates position when appropriate.
- Asserts viewpoints when others ignore or debase them.
- Acknowledges difficulties, but is **not** overcome by them.

Performance Levels:

**Satisfactory**

Continues work in a calm, self-assured manner under difficult circumstances. Avoids being drawn in to a heated exchange.

**Superior**

Remains poised when confronted with undue complaint or criticism. Confidently defends position when challenged.
20. JOB KNOWLEDGE – Knows information required to perform a specific job. Includes both widely available courses of study (for example, chemistry, human resources management, graphic arts) and City-specific information (parking regulation and ticketing practices; purchasing procedures; provisions of the City Charter).

Level of Competency Required by Job:

Level 1: Knowledge is concrete, factual, and/or procedural and may be defined by the organization. Situations in which it is applied are quite consistent.

Level 2: Knowledge is substantive and may be defined by an external trade, field, or profession. Situations in which it is applied vary and, as such, require breadth and depth of understanding.

Level 3: Knowledge is abstract, conceptual, and/or complex and may be supported by a well-defined academic discipline or authoritative sources (e.g., laws, ordinances, government guidelines/regulations/codes). Situations in which it is applied may vary greatly or be novel.

Examples of Behavioral Indicators:

- Performs work correctly/avoids technical (job content related) errors.
- Answers technical questions about work accurately.
- Asks few technical questions about the performance of routine work activities.
- Offers advice (“coaching”) to new employees regarding their work.
- Develops training programs for other employees.
- Sought out as a source of information by others.

Performance Levels:

**Satisfactory**

Sufficient job knowledge to perform work correctly independently. Answers technical questions about work correctly.

**Superior**

Expertise in technical job information sufficient to serve as a resource to others. May develop training manuals/ programs and/or give internal and/or external presentations related to work.
Job Knowledge Areas

1. Knowledge of mechanical engineering as applied to the design and layout, construction, installation, maintenance, alteration, and repair of: heating, ventilation, and air conditioning (HVAC), plumbing, elevators, piping, fire protection, and wastewater treatment and control systems, sufficient to ensure proper operation, and make recommendations on modifications.

2. Knowledge of the materials and equipment used in various types of building mechanical and/or wastewater treatment systems, including: HVAC, plumbing, fire protection, process piping, and elevators sufficient to provide guidance to staff engaged in operating these systems.

3. Knowledge of combustion air, thermodynamics, and fluid mechanics as they relate to the design of HVAC, plumbing, fire protection and smoke control systems, sufficient to assess integration of these systems into the design of a building or water treatment process.

4. Knowledge of field investigation techniques and due diligence reports, such as documenting system conditions and proper installation according to code and safety regulations, sufficient to advise clients on the status of buildings.

5. Knowledge of Los Angeles Mechanical, Plumbing, Building and Elevator Codes, California Energy Code, and National Fire Protection Association standards, as related to HVAC, fire protection, elevators, process piping, and wastewater treatment systems, sufficient to effectively design and install efficient systems.
28. SUPERVISION – Ability to assume direct responsibility for all aspects of the performance of a work group, which requires knowledge and/or ability in the areas of:

- Planning and goal setting
- Creating a safe and positive work environment
- Establishing standards and training employees
- Motivating employees and teambuilding
- Performance Management (assigning, monitoring, facilitating, reviewing and evaluating work, and providing feedback)
- Supporting and developing employees through delegation and participation
- Taking disciplinary action including progressive discipline
- Provisions of employees’ MOU’s and handling grievances
- Legal requirements including EEO, ADA, FLSA, FMLA, and Workers’ Compensation provisions
- Civil Service Commission Rules and Policies related to the management of employees
- Administrative Code provisions related to the management of employees
- Budget processes sufficient to request and justify expenditures in a correct and timely manner

Level of Competency Required by Job:

**Level 1:** Supervises small workgroup of employees performing the same or highly related work.

**Level 2:** *Supervises a larger workgroup of employees performing various types of work.*

**Level 3:** Supervises employees including provision of coaching and advice to subordinate supervisors.

Examples of Behavioral Indicators:

- Plans, assigns, and monitors work progress.
- Trains employees to do work.
- Evaluates work and gives positive and negative feedback.

Performance Levels:

**Satisfactory**

Proficiency in supervision sufficient to supervise a workgroup in terms of task orientation, interpersonal concerns, and personnel administration.

**Superior**

Proficiency in supervision sufficient to serve as a resource to others and/or represent department position in a public forum.
33. INTERPERSONAL SKILLS – Interacts effectively and courteously with others.

Level of Competency Required by Job:

Level 1: Interact with members of the workgroup, supervision, and/or the public in a cordial, service-oriented manner.

Level 2: **Interact across department lines and with appointed City officials, and/or members of the public, at times under adversarial circumstances, in a cordial, respectful manner.**

Level 3: Interact with appointed and elected City officials, department heads, representatives of external organizations, and/or the media in a cordial, effective manner.

Examples of Behavioral Indicators:

- Works well with others toward mutual objectives.
- Does not arouse hostility in others.
- “Disagrees without being disagreeable.”
- Elicits acceptance/cooperation from others.
- Affords all individuals respect, regardless of their role or status.
- Effectively addresses concerns of politicians or others who may have their “own agenda.”

Performance Levels:

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<tr>
<th>Satisfactory</th>
<th>Superior</th>
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<td>Behaves in a courteous, respectful, cooperative manner toward co-workers, other City employees, and members of the public.</td>
<td>Facilitates positive interpersonal relations within/among workgroups and toward members of the public. Adept at finding similarities and grounds for cooperation/mutual benefit.</td>
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45. **ORAL COMMUNICATION** – Communicates orally in a clear, concise, and effective manner.

**Level of Competency Required by Job:**

- **Level 1:** Exchange specific, job-related information orally with others in the immediate work environment or via telephone and/or radio.

- **Level 2:** Obtain/provide/present general and/or job-specific information orally to a variety of others in various situations.

- **Level 3:** Obtain/provide/present a diverse array of information orally at varying levels of complexity to a wide range of others across many different situations and circumstances.

**Examples of Behavioral Indicators:**

- Audience clearly understands the intended message.
- Rarely must repeat information in response to questions.
- Refrains from use of unnecessary words, phrases, or jargon.
- Provides a level of detail appropriate to the situation (avoids too much or too little detail).
- Speaks at a level appropriate to the audience in terms of terminology, sentence structure, and simplicity/complexity of ideas expressed.
- Uses words with precision (vocabulary) to convey exact information.

**Performance Levels:**

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<th>Satisfactory</th>
<th>Superior</th>
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<td>Speaks clearly and audibly, providing the appropriate information and level of detail. Typically conveys the message on the first attempt. Answers questions accurately and directly.</td>
<td>Speech is direct and to the point. Speaks convincingly and with authority when appropriate. Maintains sensitivity to the audience while providing thorough information with the appropriate level of detail through the use of precise language.</td>
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47. WRITTEN COMMUNICATION – Communicates effectively in writing.

Level of Competency Required by Job:

Level 1: Write notes/e-mails. Completes forms with some open-ended responses (sentences).

Level 2: Write letters, articles/reports, and/or detailed descriptions of activities/occurrences.

Level 3: Write lengthy reports, instruction manuals, in-depth analyses/reviews of complex issues and/or articles for publication. Reviews the written work of others.

Examples of Behavioral Indicators:

- Writing includes the necessary information to convey the intended message.
- Sufficiently few errors in spelling, punctuation, grammar to not interfere with the intended message or distract the reader.
- Little editing or re-writing needed to produce a final product.
- Composes materials efficiently.
- Information is presented in a well organized manner.
- Tone and degree of formality are appropriate to the purpose and audience.

Performance Levels:

**Satisfactory**

Writes material that clearly communicates the necessary information; needs little editing.

**Superior**

Precisely uses words and organizes information in a way that enhances presentation of the message. Virtually no editing needed.