

# Facilities Engineer: Associate Principal Facilities Engineer

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Plans, designs and oversees the reconfiguration, maintenance, and alteration of equipment, machinery, buildings, structures, and other facilities. Gathers and reviews data concerning facility or equipment specifications, company or government restrictions, required completion date, and construction feasibility. Coordinates with architecture/engineering firms in developing design criteria and preparing layout and detail drawings. Prepares bid sheets and contracts for construction and facilities acquisition. Reviews and estimates design costs including equipment, installation, labor, materials, preparation, and other related costs. Inspects or directs the inspection of construction and installation progress to ensure conformance to established drawings, specifications, and schedules.

## **Discretion/Latitude**

Work is performed without appreciable direction. Exercises considerable latitude in determining technical objectives of assignment. Completed work is reviewed from a relatively long-term perspective for desired results.

## **Knowledge, Skills and Abilities**

Applies extensive technical expertise, and has full knowledge of other related disciplines. Answers technical questions regarding products and services, and may take part in putting together proposals, configurations, and product offerings.

## **Problem Solving**

Develop technical solutions to complex problems that require the regular use of ingenuity and creativity.

## **Impact**

Regularly called upon to function in a project leadership role. Erroneous decisions or recommendations would typically result in failure to achieve major organization objectives.

## **Liaison**

Represents the organization as the prime technical contact on contracts and projects. Interacts with senior external personnel on significant technical matters often requiring coordination between organizations.

## **Minimum Education and Experience**

10-12+ years with BS in designated Engineering or related field. Employees usually have advanced degree in field of specialization.