

# Equipment

# Equipment

Equipment often defines the function of the building, making a building fit the role it was intended to perform.

For instance, a bank will need a vault, teller equipment and security equipment to function as a bank.

# Equipment

Equipment selections will need to be coordinated for many reasons:

Installation

Structural support

Utilities

Processes

# Equipment

## Installation

Connectors or brackets to be installed in structure prior to installation of equipment?

Sequence of installation requirement for access and staging?

Delivery to site?

Storage of equipment prior to installation?

# Equipment

## Structural support

Foundation support of equipment load

Lateral bracing of large equipment

Structural isolation of equipment to reduce vibration or noise

# Equipment

## Utilities to operate equipment

Electric

Gas (natural or liquid propane)

Water

Waste

Other

(refer to equipment manufacturer's literature)

# Equipment

## Processes

Access for using equipment

Access for maintenance and service

Storage, access and removal of raw materials or finished products

# Equipment

Designers, contractors and owners must work closely to select, design, specify, procure, install and maintain equipment.

Building owners may play the primary role in selecting and procuring equipment, as the success of their business depends on the performance of the equipment.



# Equipment

Businesses may come to designers and contractors with a prescribed list of equipment requirements.

For instance, commercial kitchen equipment is usually chosen, laid out, and shown on a drawing by a kitchen equipment specialist paid by the owner. The Architect must then coordinate the gas, electric, plumbing, etc.

# Equipment

Equipment requirements may be governed by licensing or franchise agreements.

Bulk purchasing

Prescribed brands and performance

# Vehicle Equipment

Controlling the travel, parking, storage and repair of vehicles in a critical function of some buildings.

Other buildings provide services that are only possible because of the equipment, such as oil change or dry cleaners.

# Pedestrian Equipment

Security, safety and limiting access are some reasons to control pedestrian access. One example is turnstiles.

# Commercial Equipment

Equipment that allows a business to function as intended, such as laundry equipment for a Laundromat, vending equipment for a snack area, etc.

# Commercial Equipment

## Mercantile Equipment

For use in retail establishments

## Vending Equipment

Soda, snack and sundry machines

## Laundry Equipment

## Office Equipment

# Residential Equipment

## Appliances

Ranges, stoves, refrigerators, dishwashers, ice makers, microwaves, etc.

## Stairs

Pre-fabricated units

# Foodservice Equipment

Food Storage

Food Preparation

Cooking

Cleaning and Disposal



# Library Equipment

Book Storage

Stack Systems

Audio-Visual Equipment

Projection

# Vocational Shop Equipment

Wood Shop

Metal Shop

HVAC Shop

# Theater and Stage Equipment

Sound systems

Curtains

Lighting

Fly loft sheaves and rigging

Fire curtain

# Recreational Equipment

Timing Systems

Padding and Protective Gear

Exercise Equipment

Gymnasium Equipment

Basketball Equipment

Playground Equipment

Scoreboards

# Healthcare Equipment

Sterilizing Equipment

Treatment and Examination Equipment

Patient Care Equipment

Dental Equipment

Optical Equipment

Operating Room Equipment

Radiology Equipment

Mortuary Equipment

Therapy Equipment

# Collection Equipment

Solid Waste Handling Equipment

Solid Waste Bins

Waste Compactors and Destructors

Hazardous and bio-waste handling systems