

14 20 00 ELEVATORS

14 20 01 GENERAL

Design Considerations

1. Typical elevator use: combined passenger and freight elevator. Design as a passenger elevator. Car shall also be capable of handling standard office furniture, equipment and supplies.
2. Elevators exclusively used for freight shall be designed and designated as freight elevators.
3. Each building shall be equipped with at least one elevator capable to transport a B.C. Ambulance Services stretcher in the prone position, and two attending paramedics.
4. Floor security may be necessary during non-working hours at each floor. Provide capability of key-operated control buttons in cab.
5. Full maintenance service for the entire warranty period of 12 months shall be specified.
6. Provide Traction Elevators in buildings with over 3 stops, or heavy traffic conditions, and Hydraulic Elevators in buildings with 2 or 3 stops, light to medium traffic. Roped elevators are prohibited.

Entrances, Equipment, Car Components and Finishes

1. Markings on both sides of entrance: conventional and Braille.
2. Elevator floor: non-slip and fire-rated; ceramic tile preferred.
3. Baseboards: 300mm high, satin stainless steel, to prevent damage from carts and wheelchairs.
4. Car front, operating panel, handrail and entrance (frame and door) finish: satin stainless steel.
5. Specify one set of cab protection blankets and mounting pins.
6. Telephone

Emergency two-way communications device (help push button) – in each elevator cab:

1. The dialer shall be installed in the analogue voice gateway, in the Telecommunications Room.
2. The help button shall be wired to a:
 - i. Junction box, in the elevator machine room in the case of conventional elevators.
 - ii. Jack located in a designated panel, in the case of machine room-less elevators. Panel shall be lockable, wall recessed and located in the vicinity of the elevator.
3. Final connections to Campus Security Services shall be coordinated with UVic Telephone Services.
4. Provide long distance telephone to manufacturer for emergency response.

Emergency Power Operation

5. Elevator shall be equipped with a UPS battery system, to provide communication, travel and door opening to the nearest station in the direction of travel, or to the exiting (usually ground) floor.

UVic Identification, Operating and Maintenance Requirements

1. Elevator manufacturer shall provide full service training access to UVic and/or its service agent.
2. Elevator manufacturer shall provide original parts to any third party, for post warranty maintenance.
3. Controllers and other pieces of equipment shall be non-proprietary and fully compatible.
4. Facilities Management will assign a UVic elevator number to the unit(s).
5. The following information shall be engraved on the control station(s) panel:
 - i. Government Installation Number.
 - ii. UVic Elevator Number XY.
 - iii. No Smoking.
6. Floor numbering on control stations shall match building levels. For example where building levels are 0,1 2 the same numbers shall be used on the control station. "B" or "M" shall not be used, a star may be used to identify the main floor.

Exceptions will be used in the cases of mezzanines split levels and elevator landings that do not conform with building levels. In the case of mezzanines the number shall be followed by "M". In elevators that reach the same level at two points the number may be followed by "F" (front) and "R" (rear). In the case of a landing that doesn't conform to a building level a descriptor shall be used, for example, "G" to describe a ground level exit.

These details must be reviewed by FMGT and may be overruled by any authorities having jurisdiction.

Acceptable Products

1. Machine room-less Eco-Space from Kone Elevator Company. Approved installer: Kone Elevator.
2. Other acceptable manufacturers:
 - i. Gen 2 by Otis Elevator.
 - ii. ThyssenKrupp Elevator Co.
 - iii. Schindler Elevator Corporation – 400A Product.