

LIFE SAFTY SYSTEMS



Gulf Canada Square is a multi stairwell facility, fully sprinklered. The West High Rise Tower floors are 22nd floor to Ground floor level. GCS, 7th floor to ground level, are much larger spanning from the Atrium East side to the West side of the tower. Gulf Canada Square is equipped with a life safety system to provide all occupants with adequate protection before, during and after an emergency.

The following list of functions form part of our life safety system:

- A fire warden system.
- Individual floor alarm annunciation-
- Individual floor trouble annunciation for the system's wiring and devices
- Floor initiated two-way voice communication Fire Phone located near the Freight Elevator location. These Fire Phones are connected to the EVAC Control Room (EVACUATION Control Room), and provide direct communication. The calls must originate from the floors: the EVAC Control Room cannot call the floors using the fire phone. Fire phones are for the use of the Calgary Fire Department or a Fire Warden.
- One-way all call communication (the emergency address system). This system consists of loudspeakers in the ceilings of each floor and exit stairwells which are connected to the EVAC Control Room, located on the ground floor, west side of the building near the Security Control Desk, across from the GWLRA main office.
- Automatic shutdown of ventilation fans.
- Manual control of dampers for smoke exhausting.
- Alarm and read-out in EVAC Control Room (EVACUATION Control Room).
- 24 hour monitoring of alarm systems.
- Elevators: All elevators are brought to the main floor lobby level in the event of an emergency or an alternate floor if the alarm originates from the main floor. Their use is confined to the Calgary Fire Department who uses them for transporting heavy fire-fighting equipment. The elevators will also be used for the evacuation of mobility impaired persons in immediate danger and first aid cases.
- Pressurized stairwells: It is important that stairwell doors are kept closed during normal operation to ensure the effectiveness of the life safety system.

- Fire Phone Stations: Located near the Freight Elevator location, west side of the building and Atrium Elevator Lobby location.

