

Part 1 - GENERAL1.1 Scope of Work

- .1 Provide a handsfree telephone in each elevator cab that will be interfaced to the telephone network and monitored by an off-site agency for the purpose of calling assistance in the event of any emergency such as a cab stuck between floors.
- .2 Provide an on-site rescue station adjacent to the fire panel that will allow emergency personnel to communicate with the handsfree telephones in the elevators.

1.2 Work Not Included

- .1 The arrangements and costs of the off-site monitoring and telephone line shall be by others.
- .2 Elevator contractor to provide one shielded pair of communication cable and 120V power with hot and neutral wires in each elevator.

1.3 Operation

- .1 Pushing the call button in any of the elevator cab stations will cause the on-site rescue station to ring. If the rescue station handset is not picked up within 30 seconds, the call will be automatically forwarded to a 24 hour off-site monitoring service. The telephone must not shut off if the activation button is pushed more than once.
- .2 To call into any of the elevator cab stations, picking up the rescue station handset and entering the selected cab number will automatically connect the caller to the elevator.
- .3 The emergency elevator communication system shall require only a single telephone line. It shall also provide its own four hour backup power supply in case of a loss of regular AC power. The system must also provide the capability for building personnel to call into the elevators and determine the charge state of any backup batteries provided for the emergency telephones.
- .4 The system shall alert the operator via voice prompting if additional calls are being attempted from other elevators within the building.

Part 2 - PRODUCT2.1 The Elevator Communications System shall be a Webb Electronics System consisting of:

- .1 One (1) Webb OEM-150 handsfree telephone in each elevator.
 - .1 The handsfree unit shall be mounted behind a perforated grill above the elevator's control panel. Dimensions and details for the mounting studs and speaker grill shall be coordinated between the elevator contractor and Webb Electronics.
 - .2 Each handsfree unit shall be capable of providing an operator-activated location message.
 - .3 Each handsfree unit shall be provided with an indicator LED which begins to flash when the call has been answered by monitoring personnel.
 - .4 Each handsfree unit shall be provided with an adjustable call time and voice prompting which will instruct the operator on how to extend the call when the call time is about to expire.
 - .5 Each handsfree unit shall be provided with self-diagnostic capability in order to automatically alert building personnel should an operational problem be detected.
 - .6 Each handsfree unit shall be capable of using its internal speaker as the audio output for an external voice annunciation system.
 - .7 Conversation levels from the telephone speaker shall measure 68 dbA or higher.

- .2 One (1) Webb LS-250 Rescue Station mounted adjacent to the fire alarm control panel.
 - .1 The faceplate of the Rescue Station shall be 13.5" high x 15" wide and made of 16 gauge steel with a white powder-coated finish. It shall have a locking hinged door over the handset area, signage that says "Elevator Telephone" and a recognizable telephone icon no less than 3" in height.
 - .2 The Rescue Station back box shall be 3.6" deep and recessed in the wall as per equipment supplier's instructions.
 - .3 The Rescue Station shall provide an LCD operational display and LED visual indicators for alert conditions such as call waiting, low battery, loss of AC power and loss of telephone line.
 - .4 The Rescue Station shall provide parallel communication ports so that any remote handsets in the machine rooms or on-site security location may call into the elevators without requiring any additional communication equipment.
 - .5 The Rescue Station shall provide a network port so that external expansion circuitry may be added when more than 10 elevator telephones need to be connected.
 - .6 Calls placed to the elevators from the Rescue Station shall override an existing conversation taking place to authorized personnel outside of the building. An intercom system which is separate from the elevator telephone system is not permissible.

Part 3 - EXECUTION

3.1 Installation

- .1 All components to be installed as a complete operating system by a qualified communications contractor.
- .2 Provide and install conduit and cables between Rescue Station and main telephone room as per equipment supplier's plans and recommendations.
- .3 Provide and install conduit and cables between each elevator machine room and Rescue Station as per equipment supplier's plans and recommendations.
- .4 Provide 120V circuit with earth ground for Rescue Station power supply.

Part 4 - ACCEPTABLE MANUFACTURERS

- 4.1 Webb Electronics Inc.
106-12414 82 Ave., Surrey, B.C. Canada. V3W 3E9
Phone: (604) 502-9007
Toll free: (877) 731-1010
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Models: Webb OEM-150 hands-free telephone
LS-250 Lobby Station

END OF SECTION