With the release of the ASME A17.1-2007/CSA B44 Safety Code for Elevators & Escalators, a new era has started for elevator safety codes. The new code is a fully bi-national standard. An important requirement of new and existing elevator applications, is the removal of all water and oil from elevator hoistways. Using the latest in technology, The ParkUSA Elevader™ Elevator system is engineered to this safety code.

The ParkUSA Elevader™ Elevator System is a complete, fully integrated and packaged system that contains required alarm features. Per the ASME A17.1 Safety & Building code, for all elevators with firefighters emergency operation, a sump pit & pump (50 GPM each shaft) shall be provided. The intent of the code is to remove water from the shaft regardless of what contaminates are contained.

Features:

- ASME A17.1 Elevator Code Compliant
- Precast Concrete, Polyethylene, Fiberglass or Steel Construction
- Heavy-Duty Cast Iron Pump, Impeller and Stainless Steel Hardware
- Oil/Water Resistant Cords and Stainless Steel Mounting Hardware
- Prepacked and Prewired System for Easy Installation
- Unitized Control Panel with Easy User Interface (NEMA 4X)
- Remote Alarm Connection Ready to BAS or SCADA System
- Oil-Water Separator with Oil Detection and Separation Technology

Operation:

The Elevader™ Sump System includes the following:

- **Sump Pump**
  - Submersible Sump located in the sump area of the elevator. Each hoistway is required to have a pump capable of removing all fluids at 50 GPM per elevator car.

- **Oil/Water Separator**
  - The Separator is located freestanding (Model ES) on the floor near the shaft, floor or wall mounted (Model EX) or can be located outdoors (Model EC) & buried below grade. The separator is rated from 50 to 400gpm depending on the quantity of elevator shafts to be served.

- **Control System**
  - The Control System consists of float sensors and a unified control panel (NEMA 4X weatherproof) that is wall mounted near the elevator shaft. The control panel has 3 principal operations:
    - A. Operates the sump pump, On/Off depending on shaft water levels, has a “Hand Off-Auto” Switch, a pump, a “Pump Run” light, and an auxiliary contact for a BAS System.
    - B. Indicates “Sump High Level” light & horn, a “Silence” button, and auxiliary contacts for the BAS System.
    - C. Indicates “High Oil Level” of the separator, in the event of a high accumulation of oil. The panel has a “Separator High Level” light & horn, a “Silence” button, and an auxiliary contact for a BAS System.