



The following is a list of items to be checked when reviewing elevator plans and the following codes as part of the Phoenix Building Construction Code (PBCC) with amendments: 2023 National Electrical Code (NEC), 2022 ASME A17.1 Safety Code for Elevators and Escalators, and 2024 International Building Code (IBC).

#### MISCELLANEOUS REQUIREMENTS

- Emergency power – IBC, Section 2702
- Type of elevator
- Number of Elevators in a hoistway, Section 3002.2
- Layout drawings for machine room, pit and hoistway
- Fire service access elevators per IBC, Section 3007
- Capacity, Loading, and Car size – A17.1, Section 2.16
- Emergency Medical Service (EMS) per IBC Amendment, Section 3002.4
- Video, Text and Talk Communications A17.1 2022 Section 2.27.1.1.3

#### PIT REQUIREMENTS

- Ladder – A17.1, Section 2.2.4
- Bottom car clearances – A17.1, Section 2.4.1.1
- Lighting – A17.1, Section 2.2.5
- Pit depths per elevator manufacturer
- Buffer type – A17.1, Sections 3.6.3
- Sump pump size and piping – A17.1, Section 2.2.2.5
- Guarding for counterweight runways – A17.1, Section 2.3.2.2
- Pit, Ground Fault Circuit Interruption (GFCI) – NEC, Section 620.6
- Sump pump power outlet – NEC, Section 620.21(A) and 620.6
- Luminated Light Switch Amendment to A17.1 section 2.2.5.3

#### HOISTWAYS REQUIREMENTS

- Heating and A/C – IBC 3005.2 Amendment, A17.1 Section 2.8.5
- Lighting – A17.1, Section 2.1.7
- Car and Counterweight Clearance – A17.1, Section 2.5
- Maximum Upward movement clearances – A17.1, Section 2.4.7
- Runby – A17.1, Section 2.4
- Governor access – A17.1, Section 2.7.6.3.4
- Cartop Guard Rails A17.1 Section 2.14.1.7.1

#### MACHINE ROOM, CONTROL SPACES, MACHINERY SPACES AND CONTROL ROOM REQUIREMENTS

- Two-way communication – A17.1, Section 2.27.1.1.1
- GFCI – NEC, Section 620.6
- Car lighting disconnect – NEC, Section 620.53
- Elevator disconnect – NEC, Section 620.51
- Access to machine room, control spaces, machinery spaces and control rooms – A17.1 Section 2.7.3
- Phone line – A17.1, Section 2.27
- Fire extinguishers – A17.1, Section 8.6.1.6.5
- Clearances – A17.1, Section 2.7.4
- Air Conditioning – IBC Amendment to 3005.2, A17.1 Section 2.8.5
- Luminated Light Switch Amendment to A17.1 section 2.7.9.1