EASTERN ELEVATOR CO.

EASTERN ELEVATOR COMPANY OF VIRGINIA, INC.

ADA Compliance Evaluation

Elevator Location:_____Elevator Car #_____

Automatic Operation	☐ YES ☐ NO
Hall Call Buttons	
Size	☐ YES ☐ NO
Location	☐ YES ☐ NO
Visibility	☐ YES ☐ NO
Hall Lanterns	
Size	☐ YES ☐ NO
Location	☐ YES ☐ NO
Visibility	☐ YES ☐ NO
Audible Signal	☐ YES ☐ NO
Braille Jamb Pads	☐ YES ☐ NO
Door Reopening Devices	☐ YES ☐ NO
Door/Signal Timing	☐ YES ☐ NO
Door Closing Time Delay	☐ YES ☐ NO
Elevator Floor Plan	☐ YES ☐ NO
Inside Car Illumination	☐ YES ☐ NO
Car Controls	
Size	☐ YES ☐ NO
Location	☐ YES ☐ NO
Accessibility	☐ YES ☐ NO
Illumination	☐ YES ☐ NO
Markings	☐ YES ☐ NO
Car Position Indicator	
Size	☐ YES ☐ NO
Location	☐ YES ☐ NO
Visibility	☐ YES ☐ NO
Audible Signal	☐ YES ☐ NO
Emergency Communication	☐ YES ☐ NO

ADA Regulations

Automatic Operations

- Elevator operation shall be automatic.
- Each car shall have a self-leveling feature that will automatically bring the car to floor landing within a tolerance of ½" (13mm) underrating loading and zero loading conditions. This feature shall be automatic and independent of the operation device and shall correct for under travel and over travel.

Hall Call Buttons

- Shall be centered at 42" (1067mm) above floor.
- Shall have visual signals to indicate when call is registered and answered.
- Minimum size: ¾" (19mm) in smallest dimension.
- "UP" button shall be above "DOWN" button.
- Buttons shall be raised or flush.
- Objects mounted beneath buttons shall not project more than 4" (102mm) from the wall.

Hall Lanterns

- A visual and audible signal shall be provided at each hoistway entrance to indicate which car is answering a call.
- Audible signals shall sound once for UP and twice for DOWN or shall have verbal annunciators that say "UP" or "DOWN".
- Visible fixtures shall be mounted with centerline at least 72" (1829mm) above the lobby floor.
- Visual elements shall be at least 2 ½" (64mm) in smallest dimension.
- Signals shall be visible from the vicinity of the hall call button.
- In-car lanterns conforming with the above requirements shall be acceptable.

Braille Jamb Pads

- All elevator hoistway entrances shall have raised and Braille floor designations provided on both jambs.
- Characters shall be centered 60" (1524mm) above finish floor.
- Characters shall be 2" (51mm) high, raised 1/32" (0.8mm) upper case, san serif or simple serif type, and shall be accompanied by Grade 2 Braille.

Door Reopening Devices

- Elevator doors shall open and close automatically.
- Doors shall have a reopening device that will stop and reopen if the door becomes obstructed by an object or person.
- The device shall be capable of completing these operations without requiring contact for an obstruction passing through the opening at heights of 5" (127mm) and 29" (737mm) above finish floor.
- Door reopening device shall remain effective for at least 20 seconds. After such interval, doors may close in accordance with ASME A17.1.
- If safety door edges are provided in existing automatic elevators, automatic door reopening devices may be omitted.

Door/Signal Timing and Door Closing Time Delay

- The minimal acceptable time for notification that a car is answering a call until doors begin to close shall be calculated as follows:

  T=D/(1.5 ft/s) or T=D/(445 mm/s)

  T=time in second

  D=distance from point 60" directly in front of furthest call button to centerline of hoistway door.
- The minimum acceptable notification time shall be five seconds for hall calls.
- The minimum time for elevator doors to remain fully open in response to a car call shall be three seconds.
- The minimum acceptable notification time shall be five seconds for hall calls.

Elevator Floor Plan

- Shall provide space for wheelchair users to enter the car, maneuver within reach of controls, and exit the car.
- Doors shall provide 36" (914mm) clear minimum.
- Cab depth: 51" (1295mm) minimum, with 54" (1372mm) minimum from rear of cab to inside face of door.
- Cab width: single speed door – 68" (1727mm) minimum; center opening door – 80" (2032mm) minimum.
- Clearance between car platform sill and edge of hoistway landing shall be 1 ¼" (32mm) maximum.
- Floor surface shall be firm, stable and slip resistant.
- If carpet is used it shall have the following features:
  1. Shall be securely attached.
  2. A firm cushion, pad, or backing (or none).
  3. A level loop, level cut pile or level cut/uncut pile texture.
  4. Maximum pile thickness: ½" (13mm).
  5. Exposed edges fastened to floor surface with carpet edge trim.

Inside Car Illumination

- Illumination level at controls, platform, threshold and landing shall be a minimum of 5 foot-candles.

Car Controls

- Size: ¾" (19mm) minimum in least dimension.
- Buttons shall be raised or flush.
- All control buttons shall be designated by Braille and by raised standard alphabet characters for letters, Arabic symbols for numbers, or standard symbols as required in ASME A17.1.
- Characters shall be 5/8" (16mm) to 2" (51mm) high, raised 1/32" (0.8mm), upper case, san serif or simple serif type, and shall be accompanied by Grade 2 Braille.

- All raised designations shall be immediately left of the button to which they apply.
- Floor buttons shall be provided with visual signals which light when each call is registered and extinguished when each call is answered.
- All floor buttons shall be maximum 54" (1372mm) above floor where side approach is provided, 48" (1219mm) maximum where forward approach is required.
- Emergency controls, including alarm and stop, shall be grouped at bottom of panel, with centerlines 35" (889mm) minimum above floor.
- Controls shall be located on a front wall if cars have center opening doors, and at either a side wall or the front wall if cars have side opening doors.

Car Position Indicator

- A visual car position indicator shall be provided above the car control panel or above the door.
- As the car passes or stops at a floor, the corresponding numbers shall illuminate and an audible signal shall sound.
- Numerals shall be a minimum ½" (13mm) high.
- Audible signal shall be no less than 20 decibels with frequency no higher than 1500Hz.
- An automatic verbal announcement of the floor number may be substituted for the audible signal.

Emergency Communication

- If provide, emergency two-way communication systems between elevator and a point outside the hoistway shall comply with ASTM A17.1.
- Highest operable part of the system shall be a maximum 48" (1219mm) from floor.
- System shall be identified by raised symbol and lettering located adjacent to the device. Characters shall be 5/8" (16mm) to 2" (51mm) high, upper case, sans serif or simple serif type, and shall be accompanied by Grade 2 Braille.
- If system uses handset, minimum cord length shall be 29" (737mm).
- If located in a closed compartment, door shall be operable with one hand, shall not require tight grasping, pinching, or twisting of the wrist, and shall require a maximum force of 5lbf.
- The emergency communication system shall not require voice communication. (Voice-only system in inaccessible to persons with speech or hearing impairments.)

The information, presented in this Checklist is intended solely as informal guidance, and is neither a determination of your legal rights or responsibilities under the Act. For complete regulations visit the US Department of Justice's website at www.ada.gov.