

### Acceptance Checklist for Firefighters' Service (A17.1–2000 and B44-00): Automatic Elevators

GENERAL NOTE: Pass = meets requirement; Fail = does not meet requirement; NA = not applicable.

ELEVATOR ID No. \_\_\_\_\_ BUILDING \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ DATE: \_\_\_\_\_  
 INSPECTED BY: \_\_\_\_\_ INSPECTOR I.D. No. \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_

Item	Check	A17.1–2000 and B44-2000	Pass	Fail	NA
<b>6.5.1</b>	<b>Emergency Signaling Devices</b>	2.27.1			
6.5.1.1	"ALARM" must sound and illuminate when pressed. If rise is over 30 m (100 ft), second device is required.	2.27.1.1.1, 2.27.1.1.1(d)(2)			
6.5.1.2	In-car emergency stop button (if present) must sound alarm.	2.27.1.1.1			
6.5.1.3	If rise is more than 18 m (60 ft), check for two-way communication between cab and point outside hoistway.	2.27.1.1.2			
6.5.1.4	Ensure that audible alarms and communications are functional with loss of normal power.	2.27.1.1.3			
6.5.1.5	Check for means to communicate with machine room when required by requirement 2.26.1.5.10(c) of A17.1.	2.27.1.3			
<b>6.5.2</b>	<b>Phase I Key Switch and Instructions</b>	2.27.3.1, 2.27.7, 2.27.8			
6.5.2.1	Operating Instructions	2.27.7.1			
6.5.2.2	Group 3 Security Keys	2.27.8			
6.5.2.3	Labeled "FIRE RECALL" marked "RESET," "OFF," and "ON" in that order.	2.27.3.1.1(b), 2.27.3.1.1(a)			
6.5.2.4	Provide at designated level for group.	2.27.3.1.1(a)			
6.5.2.5	Located in the lobby, visible and readily accessible.	2.27.3.1.1(c)			
6.5.2.6	The key cannot be removed in the "RESET" position. But it can be removed in the other positions.	2.27.3.1.3			
6.5.2.7	Second switch, if present, must be at central alarm and control facility labeled "FIRE RECALL" only be two-position switch marked "OFF" and "ON" in that order.	2.27.3.1.2			
<b>6.5.3</b>	<b>Phase II In-Car Switch and Instruction</b>	2.27.8, 2.27.3.3			
6.5.3.1	Ensure that there is a key for each Phase I, each Phase II, and each standby power selection switch in the building.	2.27.8			
6.5.3.2	The same key is used for Phase I and Phase II and standby power for all elevators in the building.	2.27.8			
6.5.3.3	Keys are available only to authorized emergency and firefighting personnel.	2.27.8			
6.5.3.4	The key can only be removed in the "OFF" and "HOLD" positions.	2.27.3.3			
6.5.3.5	The keys shall be Group 3 Security (see A17.1, requirement 8.1).	2.27.8			
6.5.3.6	Labeled "FIRE OPERATION," marked "OFF," "HOLD," and "ON" in that order.	2.27.3.3			
<b>6.5.4</b>	<b>Monthly Test</b>	8.6.10.1			
6.5.4.1	Monthly test log is completed.				
<b>6.5.5</b>	<b>Phase I Operation While Running</b> Place several floor calls in the car. While going up, have the person at the designated level place the Phase I switch in the "ON" position. Where a duplicate switch is provided, verify that Phase I is initiated by placing the switch to the "ON" position. Determine the following:	2.27.3			
6.5.5(a)	The car stops and reverses without opening the doors.	2.27.3.1.6(b)			
6.5.5(b)	The in-car stop switch or emergency stop switch is inoperative.	2.27.3.1.6(c)			

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Item	Check	A17.1–2000 and B44-2000	Pass	Fail	NA
6.5.5(c)	Call register lights and directional lanterns are extinguished and inoperative.	2.27.3.1.6(f)			
6.5.5(d)	Position indicators where provided are inoperative, except in car, designated level, and central control station.	2.27.3.1.6(f)			
6.5.5(e)	The in-car door open button is rendered inoperative as soon as car moves away from the landing.	2.27.3.1.6(i)			
6.5.5(f)	Car call buttons and corridor call buttons are inoperative.	2.27.3.1.6(f)			
6.5.5(g)	The car returns to the designated level and parks with power-operated doors open. If there is more than one entrance at the designated landing, only the doors serving the lobby with the fire recall switch open.	2.27.3.1.6(a)			
6.5.5(h)	The visual and audible signals operate and stay on until car is at the designated level.	2.27.3.1.6(h)			
6.5.6	<b>Phase I Operation With Doors Open</b> Place the Phase I switch to the "OFF" position and run the car to any floor. With the doors open, have the Phase I switch turned to the "ON" position and check the following:	2.27.3.1.6			
6.5.6(a)	Door reopening devices sensitive to smoke or flame are inoperative immediately.	2.27.3.1.6(e)			
6.5.6(b)	If door reopening devices are rendered inoperative, the closing speed is reduced so that the kinetic energy is reduced to $2\frac{1}{2}$ ft-lb (3.5 J).	2.27.3.1.6(e)			
6.5.6(c)	The emergency stop switch or in-car stop switch is rendered inoperative as soon as the car moves away from the landing.	2.27.3.1.6(c)			
6.5.6(d)	The in-car door open button is rendered inoperative as soon as the car moves away from the landing.	2.27.3.1.6(i)			
6.5.7	<b>Emergency Stop Switch and/or In-Car Stop Switch and Doors Closing</b> Place the Phase I switch to the "OFF" position and run the car to any floor. Activate the emergency stop switch or the in-car stop switch. With the doors open, have the Phase I switch turned to the "ON" position. Return the emergency stop switch, or in-car stop switch to the "RUN" position.	2.27.3.1.6			
6.5.7.1	Verify that the automatic power-operated horizontal sliding doors close promptly, that other types of doors can be closed and once closed the car moves to the designated level.	2.27.3.1.6(d)			
6.5.8	<b>Stop Switches and Door Buttons</b> While on Phase I verify that	2.27.3.1.6(c), 2.27.3.1.6(g)			
6.5.8(a)	Stop switches other than those inside the car remain operative.	2.27.3.1.6(c)			
6.5.8(b)	For vertical sliding door, the corridor door open and door close buttons remain operative.	2.27.3.1.6(g)			
6.5.9	<b>Fire Alarm Initiating Device and Operation</b>	2.27.3			
6.5.9.1	Verify that there is a fire alarm initiating device in each elevator lobby, the elevator machine room, and sprinklered hoistway. In jurisdictions enforcing the NBCC, verify that there is a fire alarm initiating device in each elevator lobby, at the designated level if not sprinklered throughout and in the machine room if sprinklered.	2.27.3.2.1, 2.27.3.2.2			
6.5.9.2	With the car(s) on normal, have the input for main return activated and verify that the elevator commences Phase I Operation and all cars return to the designated level.	2.27.3.2.3			
6.5.9.3	To reset operation initiated from fire alarm system, the fire alarm signal must be reset, then the Phase I switch must be cycled to "RESET" momentarily then to "OFF."	2.27.3.1.6(k)			
6.5.9.4	With the car(s) on normal, have the input for alternate level return activated and verify that the elevator commences Phase I Operation and all cars return to the alternate level.	2.27.3.2.4			
6.5.9.5	Car(s) should only respond to the first fire alarm input.	2.27.3.2.5			

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Item	Check	A17.1–2000 and B44-2000	Pass	Fail	NA
6.5.9.6	Activate the machine room fire alarm initiating device input and verify Phase I and all cars return to the designated level.	2.27.3.2.3(b)			
6.5.9.7	Activate the designated level machine room fire alarm initiating device and verify Phase I and all cars return to the alternate floor.	2.27.3.2.3(b)			
6.5.9.8	With the car(s) on normal, have the input for machine room return activated and verify the visual signal in the car illuminates intermittently.	2.27.2.4			
6.5.9.9	In jurisdictions not enforcing the NBCC, where the fire alarm initiating device is required in the hoistway, activate the input and verify all cars return to the designated landing, except that fire alarm initiating devices installed at or below the lowest landing of recall shall cause the cars to return to the upper recall level.	2.27.3.2.3(c)			
<b>6.5.10</b>	<b>Fire Alarm Initiating Device and Phase I Switch</b>				
6.5.10.1	Activate the alternate landing return input and observe that the elevator returns to the alternate landing.	2.27.3.2.3(b)			
6.5.10.2	If a two-position key switch is provided, place it in the "ON" position and verify that the elevator remains at the alternate landing.	2.27.3.1.2			
6.5.10.3	Turn both the Phase I switch and the additional Phase I switch (when provided) to the "ON" position and verify that the car returns to the designated level.	2.27.3.1.6(j)			
<b>6.5.11</b>	<b>Phase II Key Switch and Sign</b> With Phase I activated and the car at the designated or alternate landing, place the Phase II key switch in the "ON" position. Operate the car and check the following:	2.27.3.3.1			
6.5.11(a)	The elevator can be operated only from the car buttons and will not respond to corridor calls.	2.27.3.3.1(a)			
6.5.11(b)	All corridor call buttons, door open and close buttons, and directional lanterns are inoperative. All landing position indicators, except at the designated landing and central alarm and control facility, are inoperative. Car position indicators are operative.	2.27.3.3.1(b)			
6.5.11(c)	Power-operated doors can only be opened by continuous pressure on the door open button and if released before the doors are in the normal "OPEN" position, the door will close without delay.	2.27.3.3.1(d)			
6.5.11(d)	Open power-operated doors can be closed only by continuous pressure means. If the means is released before the door is fully closed, horizontal sliding doors will reopen and vertical sliding doors will stop, or stop and reopen.	2.27.3.3.1(e)			
6.5.11(e)	If two entrances can be opened and closed at the same landing, separate door open and close buttons are provided for each entrance.	2.27.3.3.1(d)			
6.5.11(f)	All door reopening devices are inoperative (except the door open button). Full-speed closing is permitted.	2.27.3.3.1(g)			
6.5.11(g)	"CALL CANCEL" button is labeled and when activated, will cancel all calls and cause the car to stop at or before the next available landing.	2.27.3.3.1(h)			
6.5.11(h)	Floor selection buttons are provided and functional for all landings without restrictions.	2.27.3.3.1(i)			
6.5.11(i)	Moving car will stop at the next landing with a car call registered and remaining car calls canceled.	2.27.3.3.1(j)			
<b>6.5.12</b>	<b>Phase II Switch in "HOLD" Position</b>	2.27.3.3.2			
6.5.12.1	Place the Phase II switch in the "HOLD" position and remove key. Verify that the car remains at the landing and the door close button is inoperative.	2.27.3.3.2			
6.5.12.2	Verify that the car call buttons are inoperative.	2.27.3.3.2			

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Item	Check	A17.1–2000 and B44-2000	Pass	Fail	NA
<b>6.5.13</b>	<b>Phase II Switch in “OFF” Position and Doors Closing: Power-Operated Horizontally and Vertically Sliding Doors</b> With the elevator away from the designated level, Phase I in effect, place the Phase II switch in the “OFF” position and verify that:	2.27.3.3			
6.5.13(a)	horizontally sliding doors close automatically and continuous pressure on the door close button will close vertically sliding doors	2.27.3.3.3			
6.5.13(b)	car reverts to a Phase I type return on completion of door closing and reverts to Phase I when the doors open at the designated landing	2.27.3.3.3(a)			
6.5.13(c)	Door reopening device inoperative and full-speed closing permitted.	2.27.3.3.3(a)			
6.5.13(d)	Door open button is operative.	2.27.3.3.3(a)			
6.5.13(e)	If Phase II switch turned to “ON” or “HOLD” before door is closed, it will reopen.	2.27.3.3.3(a)			
<b>6.5.14</b>	<b>Removal From Phase II</b> Verify that the elevator can be removed from Phase II only when:	2.27.3.3			
6.5.14(a)	Phase II switch is in “OFF” position at designated level and doors open	2.27.3.3.5			
6.5.14(b)	Phase II switch is in “OFF” position and Phase I is in effect	2.27.3.3.4			
<b>6.5.15</b>	<b>Power Disconnects Open</b>	2.27.3.4			
6.5.15.1	With the elevator on Phase I, have the mainline power interrupted and restored to verify that the elevator will remain on Phase I.	2.27.3.4			
6.5.15.2	With the elevator on Phase II, have the mainline power interrupted and restored to verify that the elevator will remain on Phase II.	2.27.3.4			
6.5.15.3	The car is allowed to move to a position in the hoistway to reestablish position once movement is attempted.	2.27.3.4			
<b>6.5.16</b>	<b>Top-of-Car Operating Device</b> While operating from top of car, have the Phase I key switch placed in the “ON” position and verify that:	2.27.6			
6.5.16(a)	an audible signal sounds				
6.5.16(b)	the elevator remains under control of the top-of-car operating device				
6.5.16(c)	the elevator remains under the control of the hoistway access switch				
<b>6.5.17</b>	<b>Automatic Elevators With Attendant Operation</b> With elevator on attendant operation, stop at a floor and have the Phase I switch placed in the “ON” position. Verify that:	2.27.5.2			
6.5.17(a)	the audible and visual signal operates and that a parked elevator will automatically go on Phase I after a time delay between 10 s and 30 s.	2.27.5.2(a)			
6.5.17(b)	a moving car on attendant operation will commence Phase I operation without delay.	2.27.5.2(b)			
6.5.17(c)	if car is on hospital emergency service, it will remain on that operation until removed by the operator and at that point revert to Phase I operation. The audible and visual signals in the car shall be activated immediately and remain activated until the car is returned to the designated landing. With the car on firefighter emergency operation, the elevator cannot be placed on hospital service.	2.27.5.3			
<b>6.5.18</b>	<b>Elevators on Phase I and Phase II Prevention of Operation and Disabling Not Allowed</b> With elevator on normal operation, verify the following:	2.27.3.1.6.1(l), 2.27.3.1.6.1(m), 2.27.3.3.6			
6.5.18(a)	Activate means other than those specified in this Code to remove elevators from normal operation, and verify that Phase I emergency recall operation is not prevented.	2.27.3.1.6(l)			

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(Cont'd)**

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Item	Check	A17.1–2000 and B44-2000	Pass	Fail	NA
6.5.18(b)	Activate input for devices that measure loads and verify that the elevator is not prevented from operating at or below the capacity that is required.	2.27.3.1.6(m)			
6.5.18(c)	Verify that an accidental ground or short circuit in equipment on landing side will not disable Phase II operation.	2.27.3.3.6			