

## **PERFORMANCE WORK STATEMENT (PWS)**

### **VISN 08 ELEVATOR SERVICE CONTRACT**

#### **DEFINITIONS/ACRONYMS:**

**ANSI** – American National Standards Institute

**ASME** – American Society of Mechanical Engineers

**CO** – Contracting Officer

**CEP** – Contractor's Emergency Plan

**COR** – Contracting Officer's Representative

**FAR** – Federal Acquisition Regulation

**FST**- Field Service Technician - A competent, trained and fully qualified person, who is authorized by the contractor to perform maintenance and repair (corrective and/or preventive) services on vertical transport systems (VTS).

**IAW** – In accordance with

**NAESA** – National Association of Elevator Safety Authorities

**OCO** – Ordering Procurement Officer

**PM** – Preventive Maintenance

**POC/COR** – Point of Contact / Contracting Officer's Representative

**PWS** – Performance Work Statement

**QEI** – Qualified Elevator Inspector

**QCP** – Quality Control Plan

**VAMC** – Veteran's Affairs Medical Center

**VTS** - Vertical Transport Systems (elevators, cart lifts and dumbwaiters)

**VISN** – Veterans Integrated Service Network

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## SECTION I

- 1. DESCRIPTION OF SERVICES:** The Contractor shall provide all management, transportation, tools, supplies, equipment, and labor necessary to maintain, repair, and certify the Vertical Transport Systems for the Department of Veteran's Affairs hospitals and support locations identified in this PWS in accordance with (IAW) all local, state, federal laws in a manner that will ensure continuous and safe operation. The Contractor shall maintain the equipment as specified below, determine the nature and extent of any trouble/problems, and the maintenance required to restore the elevators to safe and satisfactory service, and if conditions warrant, furnish and install parts to that end.

- 1.1. Regulatory Compliance:** All equipment, materials, and installations shall conform to the following codes:

- The Contractor shall provide full VTS preventive maintenance, repair services, and testing services, in compliance with the following specifications:
- ASME A17.1 Safety Code for Elevators and Escalators, latest edition
- ASME A17.2 Inspectors' Manual for Elevators and Escalators, latest edition
- ASME A17.3 Safety Code for Existing Elevators and Escalators, latest edition
- ANSI/NPA 70 National Electric Code, latest edition
- Elevator Industry Field Employees Safety Handbook
- National Electrical Code
- NETT Vertical Transportation Standards for Elevators, Escalators and Dumbwaiters all other applicable laws, regulations, rules, ordinances, codes, etc.
- Manufacturer's requirements and specifications on inspection, maintenance, and operation of each elevator model
- Building and Equipment Standards and Specifications such as: ASME QEI-1-1993 – Qualification of Elevator Inspectors and
- ISO 4101:1983 – Drawn Steel Wire for Elevator Ropes
- OSHA Standards (29 CFR) 1917.116 – Elevators and Escalators

- 1.2. Contract Type and Term:** This is a firm fixed price BPA containing one base year and four, one year options.

- 1.3. Locations:** The contractor shall perform all work stated in the PWS for each of the sites listed in **Attachment A**. The physical address for each of these sites is:

- Bay Pines VA Medical Center, 10000 Bay Pines Blvd, Bay Pines, FL 33744
- Lee County Outpatient Clinic, 2489 Diplomat Parkway East Cape Coral, FL 33909
- Miami VA Medical Center, 1201 N.W. 16<sup>th</sup> St., Miami, FL 33125

- Malcom Randall VA Medical Center, 1601 SW Archer Road, Gainesville, FL 32608
- Lake City VA Medical Center, 619 South Marion Ave., Lake City, FL 32025
- Orlando VA Medical Center (Lake Nona), 13800 Veterans Way, Orlando, FL 32827
- Orlando VA Medical Center, 5201 Raymond Street, Orlando, FL 32803
- Orlando VA Lakemont Campus, 2500 S. Lakemont Ave., Orlando, FL 32814
- James A. Haley Veterans' Hospital, 1300 Bruce B. Downs Blvd., Tampa, FL 33612
- West Palm Beach VA Medical Center, 7305 North Military Trail, West Palm Beach, FL 33410

1.4. **VTS Inventory:** Reference **Attachment A, "Listing of VTS by Facility"** for all elevators, cart lifts and dumbwaiters covered under this PWS.

1.5. **Facility POCs / CORs:** Reference Attachment E, "Medical Center and VISN POCs/CORs. These are the primary points of contact for each site.

## **2. VTS PREVENTIVE MAINTENANCE (PM) SERVICES AND PERIODIC INSPECTIONS:**

### **2.1. Preventive Maintenance:**

- 2.1.1. All passenger and service traction type elevators shall be inspected at least 1 hour per week. If a holiday falls on the scheduled day of inspections, the required inspection will be performed on the following workday. Records of inspection shall be submitted to the facility POC/COR on the date performed.
- 2.1.2. All hydraulic type elevators and dumbwaiters shall be inspected at least 1 hour every two weeks or sooner if deemed necessary by the government or the contractor. Records of inspections shall be submitted to the facility POC/COR on the date performed.
- 2.1.3. All dumbwaiters and cart lifts shall be inspected at least 1 hour per month or sooner if deemed necessary by the government or the contractor.
- 2.1.4. All elevators provided with firefighters' service shall be subject to monthly Phase 1 recall and a minimum of one floor operator on Phase 1 to assure the system is maintained in a proper operating condition in accordance with rule 211.3 ASME A17.1/CSA B44 Handbook-2004 Edition or latest edition.

### **2.2. Cleaning, Lubrication and Adjustments**

- 2.2.1. Cleaning, lubrication, and adjustment services shall be accomplished by referencing what is expected to meet or exceed the Inspection Checklists referenced below;
  - **Attachment B:** "Inspection Checklist for Electric Elevators"
  - **Attachment C:** "Inspection Checklist for Hydraulic Elevators"

- **Attachment D: "Acceptance Checklist for Firefighter Service"**

and/or when in excess of VA Standards and not contrary to them, as specified by the equipment manufacturer; and/or as required by the state of repair of a particular equipment component or end item. The work shall include, but not be limited to, the following: main machine, brakes, motors, generators, controllers, relay panels, selectors, operating devices, interlocks and contacts, guide shoes, roller guides in hoistway and car door sills, hangers for all doors and car doors, signal system, car safety devices, governors, tension frames, and sheaves. In addition, the requirement of paragraphs 2.2.2, 2.2.3, and 2.2.4 below shall also apply. Cleaning and refinishing of the interior of cars and exterior of hoistway doors and frames are excluded. The Contractor shall notify the COR, or his designee of any extended downtime (over two hours) due to delay in obtaining service, replacement parts, or other repair functions. Successful offerors may submit to CO for approval an alternate inspection, cleaning, lubrication and adjustment checklist using Inspection Checklists referenced in 1.1.1 as a guide. The contractor shall document on repair tickets/inspection tickets the nature of the work performed and the parts used.

- 2.2.2. Chemicals, oily rags or other fire hazardous material shall be properly protected in Contractor-furnished VA-approved containers or removed from the station daily after the completion of the cleaning activity.
- 2.2.3. All sheave bearings and hoisting ropes shall be lubricated; machine stuffing boxes and bearings on motor operated brakes shall be replaced, and gear cases and guide lubricators shall be refilled when required. Hydraulic fluid sufficient to maintain required operating levels shall be furnished on all hydraulic elevators. (refer to FAR clause 52.223-2 in Section C and Provision 52.223-1)
- 2.2.4. All hoisting ropes shall be examined and the tension equalized and, whenever necessary to insure maintenance of adequate safety factors, all hoisting ropes and governor ropes shall be renewed. If replacement ropes are necessary, the contractor shall submit a proposal to the CO for replacement. The proposal shall include a cost breakdown which will show the cost of the ropes and the cost of labor to install (See Section 3 for Over and Above). The contractor will not commence with replacement until specifically authorized by the Contracting Officer. The exterior of the machinery and any other parts of the equipment, subject to rust, shall be kept properly painted and presentable at all times. The motor windings shall be kept free of rust where roller guides are used and properly lubricated where sliding guides are used. Guide shoe rollers and gibs shall be renewed as required to insure smooth and satisfactory operation. All electrical wiring and conductors extending to elevators and dumbwaiters from circuit breakers or main line switches in machine rooms and from outlets in the hoistways shall be repaired and/or replaced when required. Circuit breakers or main line switches in machine rooms and from outlets in the hoistways shall be repaired and/or replaced when required. Circuit breakers or main line switches, together with fuses for same, are excluded.

### **2.3. Performance of Work**

- 2.3.1. Maintenance not requiring elevator operational "shut-down" will be performed during the hospital's regular administrative working hours, 8:00 AM- 4:30 PM

except the contractor shall provide emergency call-back service at any hour of any day of the week as specified under paragraph 2.6.

- 2.3.2. Maintenance requiring elevator operational "shut-down" will be performed during non-administrative working hours unless otherwise authorized in writing by the Contracting Officer.
- 2.3.3. Prior to commencement and after completion of any work, including INSPECTIONS as required in paragraph 2.1 above, during both normal and after duty hours, the contractor shall report to a specific office to be designated by the facility's POC/COR. Please see Section B4 Special Contract Requirements for information regarding identification badges.
- 2.3.4. **Federal Holidays** The contractor is not required to provide routine service on observed Federal Holidays, such as:
- New Year's Day - 1 January
  - Martin Luther King Day - 3rd Monday in January
  - Washington's Birthday - 3rd Monday in February
  - Memorial Day - last Monday in May
  - Independence Day - 4 July
  - Labor Day - 1st Monday in October
  - Columbus Day - 2nd Monday in October
  - Veteran's Day - 11 November
  - Thanksgiving Day - 4th Thursday in November
  - Christmas Day - 25 December
  - Any other day specifically designated as a holiday by the President of the United States.
- 2.3.5. If a holiday falls on a Saturday, the preceding Friday is recognized as the holiday. If the holiday falls on Sunday, the following Monday is recognized as the holiday.
- 2.3.6. No expenses or labor hours will be incurred by the Government from the provider for traveling to and from provider's place of business for the performance of preventive maintenance during normal working hours for the length of this contract. Services begin when provider arrives at service location and ends upon departure from service location.

## **2.4. Materials To Be Furnished**

- 2.4.1. The Contractor shall furnish all lubricants, cleaning supplies, tools, and equipment necessary to perform the work described above. All lubricants shall be as recommended by manufacturer of the equipment or VA-approved equal

thereto. (refer to FAR clause 52.223-2 in Section C and Provision 52.223-1 in Section E)

## **2.5. Material/Parts To Be Furnished And Installed Or Repaired**

- 2.5.1. In accordance with standard elevator industry practice, this is a full maintenance contract. The contractor will accept these elevators "as is". Except as listed below, no components are excluded from the requirements of this contract.
- 2.5.2. The Contractor shall furnish and install or repair when and as necessary, machine hydraulic pumps, motor generators, controllers, selectors, worms, gears, thrusts, windings, commutators, hydraulic pump "VEE" belts and pulleys, hydraulic valve components and coils, circuits, magnet frames, relays, contractors, control fuses, cams, car door and hoistway door hangers, tracks and governors, push buttons, annunciators, hail lanterns and indicators, lamp replacements in signal systems and all other elevator signal and accessory equipment complete. All parts shall be new and to the original manufacturer's design and specification or equal thereto.
- 2.5.3. The Contractor is responsible for replacement of all light bulbs, including lights in elevator shafts on top and bottom of cars, hoistway crawl spaces, elevator machine rooms, etc. This shall include all lights inside the VTS(s).
- 2.5.4. The Contractor shall not supply floor covering on elevator car platform, make renewals, or repairs necessitated by reason of negligence or misuse of the equipment by person other than the Contractor, his representatives and employees or by reason of any other cause beyond control of the Contractor, except normal wear and tear, any new attachments as may be recommended or directed by inspection firms or by Federal, State, Municipal or other Government authorities.

## **2.6. Call Back Service**

- 2.6.1. The Contractor shall provide unlimited 24 hour callback services for each VTS as follows: Callback service is defined as requests for each individual elevator, either during or after normal working hours, to correct any VTS problem or condition which needs attention. Callbacks during normal working hours consists of responding to VAMC to each individual elevator service call and take corrective action at the site. Emergency requirements (i.e. persons trapped in the VTS, anything negatively impacting patient care/safety) require a 1 hour response time, 2 hour for non-emergent service calls. The contractor will provide a response to the requests by telephone or otherwise from the (1) Contracting Officer, (2) facility POC/COR, or (3) their designees in case of a malfunction or if emergency trouble should develop between regularly scheduled maintenance.

## **2.7. Report of Services**

- 2.7.1. Upon completion of the services, the contractor shall report to the facility POC/COR or designee, and a written report of services performed shall be furnished to the facility POC/COR or designee. Such reports shall advise of any repairs or repair parts not required to be furnished under the contract that are necessary to maintain the equipment in perfect operating condition.

- Account Name & Number, VTS Number/Designation
- Name and Address of the contractor
- Toll Free Telephone Number for Standard Service Calls
- Call Originator Name and Department
- Email Address
- Name of Service Representative(s) performing the work
- Signature of service representative(s) who performed the work and signature of the Medical Center's COR or designee.
- Brief description of work performed, including PMI's and identification of equipment worked on.
- All work performed shall be documented in electronic format as noted in the Record Keeping section below.

## 2.8. Records Management

- 2.8.1. The contractor shall maintain a complete orderly and chronological file including drawings, complete parts list, and copies of all reports as required by these specifications. A record of all callbacks and repairs shall be kept by the contractor indicating any difficulty experiences and the corrective measures taken to eliminate these difficulties.
- 2.8.2. A report of work performed shall be submitted to the facility POC/COR on the date performed. In addition, the contractor shall maintain an **electronic version** of Maintenance Logs and Service Reports for each VTS for each facility. Maintenance Logs and Service Reports shall be annotated at the conclusion of each maintenance/ service/ inspection. The maintenance logs and service reports shall identify each VTS, date and time of maintenance/service/inspection/testing performed, repairs needed, name of inspector, and overall condition of the elevator. The Contractor shall maintain an electronic file that includes, but is not limited to, parts list, copies of PM and service reports, replacement parts, time of services performed, etc. A copy of the electronic reporting file shall be printed and provided to the facility POC/COR on a **weekly** basis or a current report provided within 1 hour upon POC/COR's request.

## 2.9. Inspection Support

- 2.9.1. The elevator maintenance contractor shall provide qualified personnel to participate in the required testing and inspection process as the maintenance contractor will have the responsibility to address any deficiencies identified. The elevator maintenance contractor shall be responsible to correct deficiencies found during the routine and periodic inspections and tests.
- 2.9.2. **Fire Fighter Service:** Monthly Firefighters' Service Operational Tests: Shall be performed by the maintenance contractor and validated by the third-party

contractor annually. The contractor shall assist the POC/COR and third-party contractor in these inspections.

**2.9.3. Third-Party Inspection:** A third-party elevator inspector will be contracted by the VA to provide to observe testing and perform inspections outlined below. The Offeror shall support the third-party inspector and the POC/COR in the performance of these tests. This support will be billed in the month that they occur.

- Semi-Annual No-Load Safety Tests and Inspections
- Annual No-Load Safety Tests and Inspections
- 5-Year Full-Load Safety Test

**2.10. Correction of Deficiencies Found During Elevator Inspections**

**2.10.1.** The Offeror will be furnished a list of deficiencies that were found during the semi- or annual inspection performed by an independent inspection contractor. The Offeror will correct deficiencies noted within 30 calendar days after receipt of the reports. Corrective actions that are expected to take longer than 30 calendar days must be provided with an explanation acceptable to the facility POC.

## SECTION II

### 3. PERFORMANCE MEASUREMENTS:

Task	Performance Standards	Acceptable Performance Levels	Methods of Surveillance	Incentive (Positive and/or Negative)
Inspections (timeliness) Preventive Maintenance	Meet PWS (Para 2.1)	95% (slight deviation)	POC/COR random review	Failure affects performance evaluations
Call Back and Emergency Response Services	Meet PWS (Para 2.6)	100% (no deviation)	POC/COR random review	Failure affects performance evaluations
Records Management	Meet PWS (Para 2.8)	100% (no deviation)	POC/COR random review	Failure affects performance evaluations
Inspection Support	Meet PWS (Para 2.9)	100% (no deviation)	POC/COR random review	Failure affects performance evaluations
Corrections of Deficiencies	Meet PWS (Para 2.10)	100% (no deviation)	POC/COR random review	Failure affects performance evaluations
Certifications-Current	Meet PWS (Para 6.0)	100% (no deviation)	POC/COR random review	Failure affects performance evaluations

## SECTION III

### 4. GENERAL INFORMATION, REQUIREMENTS & EXPECTATIONS

- 4.1. The contractor shall be required to take all steps and measures which would be taken by a prudent building owner to maximize the life expectancy of the elevators and related systems and ensure safe and reliable elevator operation.
- 4.2. Scope of services consist of, but are not limited to, the performance of full repair and maintenance services including maintenance or repair of all mechanical devices and lighting, fixtures, ballast, bulbs, lamps, tubes, intercoms, telephone devices, wiring, appurtenances mounted in or on the car, fans, air conditioning units, security systems, lenses switches, lens plates, push buttons, and doors.
- 4.3. If a conflict arises between standards, the most stringent will prevail.
- 4.4. All scheduled work that requires a VTS to be taken out of service shall be coordinated with and reported to the facility POC/COR the status of elevator equipment or systems not operating by the close of business (4:30pm) each workday.
- 4.5. The contractor shall be responsible for the installation of signs and/barricades as related to equipment and/or systems as deemed necessary by the facility POC/COR. In the event an elevator is shutdown, an "Out of Service" sign must be placed at call button on all floors when the elevator is the only one servicing that area.
- 4.6. In order to minimize disruption to healthcare operations and government business, down-time of elevators, cart lifts and dumbwaiters must be scheduled and approved by the facility POC/COR.
- 4.7. Contractor shall have use of station telephones to make business calls related to Medical Center's equipment. Misuse of this privilege will necessitate the need to require the contractor to use public telephones.
- 4.8. **Uniforms:** The Contractor shall require all employees, including supervisors, to wear distinctive uniform clothing for ready identification, and assure that every employee is in uniform no later than the time specified by the facility POC/COR, or otherwise no later than 10 working days from the date an employee first enters on duty. The uniform shall have the Contractor's name, easily identifiable, affixed thereon in a permanent manner such as a badge or monogram.
- 4.9. **Storage Site and Utilities:** The government will provide Elevator Mechanical Rooms for use by the contractor to store supplies and equipment at various building utility rooms. The locations of the rooms will be near the elevators. If additional space or areas are needed, the contractor and the government will negotiate and agree to the location and all accommodations will be at the contractor's expense to install and have accommodations' removed prior to the end of the contract.

## **5. REMOVAL AND INTRODUCTION OF VTS(s) FROM SERVICE BY THE GOVERNMENT**

- 5.1. If the Government removes one or more VTS(s) named in this contract from service at its own discretion for a specified period of time, a modification to the contract may be warranted to place the elevator in "standby status". The Contractor shall be notified, in writing, by letter or contract modification, at least three (3) full business days from the date of the Medical Center's notification to the CO of the VTS being removed from service. This notification will also provide an estimated duration.
- 5.2. The removal will be reflected within the contractor's billing for the month. The removal from service date will be from the date of the modification. The contractor will invoice for the removed elevator based on the following formula:
- $\text{Monthly Cost per VTS divided by number of days in the month} = \text{Daily VTS Cost}$
  - $\text{Number of Days in the month minus days VTS in service that month} = \text{Unserviced Days}$
  - $\text{Unserviced Days} \times \text{Daily VTS Cost} = \text{Unserviced Cost}$
  - $\text{Monthly Cost} - \text{Unserviced Cost} = \text{Monthly Invoiced Amount}$

Monthly invoices will then resume based on number of VTS(s) in service multiplied by the per elevator cost established at the inception of the contract. For example: If the Monthly Elevator Cost is \$1,000, and an elevator goes out of service on the 23<sup>rd</sup> day of the month, and the modification is made to the contractor on the 26<sup>th</sup> of that month, this is how the new invoiced amount is calculated upon the Government's executed modification:

\$1,000 Monthly VTS Service Cost

$\$1,000/30 = \$33.33$  Daily VTS Cost

$30 \text{ Days} - 26 \text{ Days In service} = 4 \text{ Unserviced Days}$

$4 \text{ Unserviced Days} \times \$33.33 \text{ Daily VTS Cost} = \$133.33 \text{ Unserviced Cost}$

$\$1,000 - \$133.33 = \$866.67$  (New Invoice Amount for the VTS Removed From Service)

Invoices for the following months will then be adjusted to reflect the removal of the VTS from service.

- 5.3. The Government may introduce one or more VTS(s) to this service contract at its own discretion. A modification to the contract by the CO may be warranted to place the elevator in "add to service". The Contractor shall be notified, in writing, by letter or contract modification, at least three (3) full business days from the date of the Medical Center's notification to the CO of the VTS being added to the service contract. The addition will be reflected within the contractor's billing for the month. The addition to service date will be as of the date of the modification. The contractor will invoice for the added elevator based on the following formula:

Monthly Cost per VTS divided by number of days in the month = Daily VTS Cost.  
Number of Days in the month minus date VTS entered service = Serviced Days.  
Serviced Days x Daily VTS Cost = Serviced Cost. Monthly Cost + Serviced Cost =  
Monthly Invoiced Amount. Monthly invoices will then resume based on number of  
VTS(s) in service multiplied by the per elevator cost established at the inception of the  
contract. For example: If the Monthly Elevator Cost is \$1,000, and an elevator goes  
into service on the 23<sup>rd</sup> day of the month, and the modification is made to the contractor  
on the 26<sup>th</sup> of that month, this is how the new invoiced amount is calculated upon the  
Government's executed modification:

\$1,000 Monthly VTS Service Cost

$\$1,000/30 = \$33.33$  Daily VTS Cost

30 Days – 26 Days In service= 4 Serviced Days

4 Serviced Days\* \$33.33 Daily VTS Cost = \$133.33 Serviced Cost

$\$1,000 + \$133.33 = \$1,133.33$  (New Invoice Amount for the Month VTS Added To  
Service)

Invoices for the following months will then be adjusted to reflect the added VTS for  
the monthly amount.

## 6. COMPETENCY AND QUALIFICATIONS OF PERSONNEL SERVICES

- 6.1. The contractor shall have employment at all times sufficient number of capable and qualified employees to enable the contractor to properly, adequately, and safely manage, operate, maintain and account for all VTS(s) identified in this PWS and its attachments.
- 6.2. All work shall be performed by mechanics and apprentices that are certified. Proof of personnel certification shall be furnished to the Contracting Officer with the Offeror's proposal by the due date specified on the SF1449, block 8. A certified mechanic will be with a helper at all times when helper is performing maintenance.
- 6.3. The CO or facility POC/COR may request/authenticate training certificates or credentials from the contractor at any time for any personnel who are services or installing any medical centers equipment.
- 6.4. The CO or facility POC/COR specifically reserves the right to reject any of the contractor's personnel and refuse them permission to work on the medical center or its equipment.

## 7. INVOICING

- 7.1. The facility POC/COR listed in Attachment A should be used for all correspondence and invoices regarding this contract.
- 7.2. **Note there are multiple facilities being serviced under this contract and it is very important to reference the appropriate Purchase Order Number on all correspondence and invoicing for the specific facility.**
- 7.3. Vendor Electronic Invoice Submission Methods

7.3.1. Facsimile, e-mail, and scanned documents are not acceptable forms of submission for payment requests. Electronic form means an automated system transmitting information electronically according to the accepted electronic data transmission methods below:

- VA's Electronic Invoice Presentment and Payment System – The FSC uses a third-party contractor, OB10, to transition vendors from paper to electronic invoice submission. Please see OB10 contact information below to begin submitting electronic invoices, free of charge.
- A system that conforms to the X12 electronic data interchange (EDI) formats established by the Accredited Standards Center (ASC) chartered by the American National Standards Institute (ANSI).
- The X12 EDI Web site (<http://www.x12.org>).

7.3.2. Vendor e-Invoice Set-Up Information: Please contact OB10 at the phone number or email address listed below to begin submitting your electronic invoices to the VA Financial Services Center for payment processing, free of charge. If you have question about the e-invoicing program or OB10, please contact the FSC at the phone number or email address listed below:

- OB10 e-Invoice Setup Information: 1-877-489-6135
- OB10 e-Invoice email: [VA.Registration@ob10.com](mailto:VA.Registration@ob10.com)
- FSC e-Invoice Contact Information: 1-877-353-9791
- FSC e-invoice email: [vafscshd@va.gov](mailto:vafscshd@va.gov)

## 8. EMERGENCY SERVICES

- 8.1. During the term of the contract , the facility POC/COR may require the contractor to use overtimes to perform work within the scope of this contract for the purpose of expediting return of an VTS to operation condition or to minimize disruption to building occupants.
- 8.2. Use of overtimes shall be authorized by the POC/COR or his/her designee. In the event additional overtime services are required, the cost of additional overtime services shall be negotiated by each individual medical center's CO and the contractor. Overtime and its limitations shall be addressed as an "Over and Above", found in Section 3.
- 8.3. **TRAPPED PERSONS:** The Contractor will ensure that the Medical Center's, Fire, Medical, Police and COR are made aware of the trapped person(s). Where trapped persons are concerned, there are no exceptions. Those persons must be rescued from the elevator immediately within one hour of notification.
- 8.4. **Emergency Telephone Numbers:** The Contractor shall provide the facility POC/COR with pertinent emergency telephone numbers, in order to summon assistance in case an emergency develops. At least one of the emergency

telephone numbers shall be manned twenty-four (24) hours per day. This information shall be provided in writing to each facility POC/COR.

- 8.5. **Emergency Management Participation:** When called upon, the contractor shall participate in emergency management planning for developing emergency response plans for natural disasters.

**VTS LISTING**  
for  
**VISN 08 VISN-wide VTS Service Contract**

BAY PINES HEALTHCARE SYSTEM Vertical Transport Systems									
Item NO.	Car NO.	Location	Service Type	System Type	Floors Served	Year Acq.	Mfr	Capacity (lbs)	Date of next Load Test required
1	CT51511(P1)	Bldg 1	Passenger	Elec Automatic SPM3500	5	1998	Montgomery	5,000	Dec. 2016
2	CT51510(P2)	Bldg 1	Passenger	Elec Automatic SPM3500	5	1998	Montgomery	3,500	Dec. 2016
3	CT51509(P3)	Bldg 1	Passenger	Elec Automatic SPM3500	5	1998	Montgomery	3,500	Dec. 2016
4	CT51509(P4)	Bldg 1	Service	Elec Automatic SPM3500	5	2010	Elevator Control	5,000	Dec. 2016
5	CT51515(P5)	Bldg 1	Passenger	Elec Hydraulic SPM125	2	1980	Montgomery	3,000	Dec. 2016
6	C-17417(P1)	Bldg 2	Passenger	Elec Duplex SPM200	3	2010	Elevator Control	3,500	Dec. 2016
7	C-17419(P2)	Bldg 2	Passenger	C-17419(P2) SPM200	3	2010	Elevator Control	3,500	Dec. 2016
8	CT51515(S3)	Bldg 20	Service	Elec Hydraulic SPM125	3	1986	Smart Rise	4,000	Dec. 2016
9	C2049(P1)	Bldg 20	Passenger	Hydraulic Collective SPM75	2	2012	Gemco	2,000	Dec. 2016
10	CT51513(P1)	Bldg 22	Passenger	Elec Automatic SPM200	4	1998	Montgomery	3,500	Dec. 2016
11	CT51514(P2)	Bldg 22	Passenger	Elec Automatic SPM200	4	1998	Montgomery	3,500	Dec. 2016
12	55668(P1)	Bldg 23	Passenger	Elec Automatic SPM200	2	1976	Dover	4,000	Dec. 2016
13	C-27621(P2)	Bldg 23	Passenger	Hydraulic SPM125	3	1986	Dover	4,000	Dec. 2016
14	PLC(P1)	Bldg 24	Passenger	Gearless SPM200	3	1997	Mid-America	3,500	Dec. 2016
15	C20279(P1)	Bldg 37	Passenger	Elec Duplex SPM200	3	2000	Montgomery	3,500	Dec. 2016
16	C20278(P2)	Bldg 37	Passenger	Elec Duplex SPM200	3	2000	Montgomery	3,500	Dec. 2016
17	MiPram21(P1)	Bldg 100-1	Passenger	Gearless SPM500	5	1997	Kone	4,000	Dec. 2016
18	MiPram21(P2)	Bldg 100-2	Passenger	Gearless SPM500	5	1997	Kone	4,000	Dec. 2016
19	MiPram21(P3)	Bldg 100-3	Passenger	Gearless SPM500	5	1997	Kone	4,000	Dec. 2016
20	MiPram21(P4)	Bldg 100-4	Passenger	Gearless SPM500	5	1997	Kone	5,000	Dec. 2016
21	MiPram21(P4)	Bldg 100-5	Passenger	Gearless SPM500	5	1997	Kone	5,000	Dec. 2016
22	MiPram21(P6)	Bldg 100-6	Passenger	Gearless SPM500	5	1997	Kone	5,000	Dec. 2016
23	MiPram21(S7)	Bldg 100-7	Service	Gearless SPM500	5	1997	Kone	5,000	Dec. 2016
24	MiPram21(S8)	Bldg 100-8	Service	Gearless SPM500	5	1997	Kone	5,000	Dec. 2016
25	MiPram21(S9)	Bldg 100-9	Service	Gearless SPM500	5	1997	Kone	5,000	Dec. 2016
26	MiPram21(SC15)	Bldg 100-SPD	Service	Hydraulic SPM900	2	1997	Kone	900	Dec. 2016
27	MiPram21(SC16)	Bldg 100	Service	Hydraulic SPM900	5	1997	Montgomery	900	Dec. 2016
28	MCEHMC2000(P1)	Bldg 106	Passenger	Hydraulic	2	2012	Schindler	5,000	Dec. 2016
29	MCEHMC2000(P2)	Bldg 106	Passenger	Hydraulic	4	2012	Schindler	5,000	Dec. 2016
30		Mental Health	Passenger	COMING SOON			COMING SOON	TBD	TBD
31		Mental Health	Passenger	COMING SOON			COMING SOON	TBD	TBD
32		Mental Health	Passenger	COMING SOON			COMING SOON	TBD	TBD
33		Mental Health	Passenger	COMING SOON			COMING SOON	TBD	TBD
34		Research	Passenger	COMING SOON			COMING SOON	TBD	TBD
35	P1	Parking Garage	Passenger	Electric Traction	5	2013	Hollister Whitney	4,000	May. 2018
36	P2	Parking Garage	Passenger	Electric Traction	5	2013	Hollister Whitney	4,000	May. 2018
37	A222703-1(P-1)	Lee County OPC	Passenger	Overhead geared traction	4	2012	Hollister Whitney	4,000	May. 2018
38	A222703-2(P-2)	Lee County OPC	Passenger	Overhead geared traction	4	2012	Hollister Whitney	4,000	May. 2018
39	A222703-3(P-3)	Lee County OPC	Passenger	Overhead geared traction	4	2012	Hollister Whitney	4,000	May. 2018

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40	A222703-4(P-4)	Lee County OPC	Passenger	Overhead geared traction	4	2012	Hollister Whitney	4,000	May 2018
41	A222703-5(S-1)	Lee County OPC	Service	Overhead geared traction	5	2012	Hollister Whitney	5,000	May 2018
42	A222703-6(S-2)	Lee County OPC	Service	Overhead geared traction	5	2012	Hollister Whitney	5,000	May 2018

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MIAMI VA MEDICAL CENTER									
Vertical Transport Systems									
Item NO.	Car NO.	Location	Service	System Type	Floors Served	Year Acq.	Mfr	Capacity (lbs)	Date of next Load Test required
1	16067	Bldg 1	Passenger	Gearless Track SPM 500	12	1967	Otis	4,000	Jan. 2018
2	16068	Bldg 1	Passenger	Gearless Track SPM 500	12	1967	Otis	4,000	Jan. 2018
3	27552	Bldg 1	Passenger	Gearless Track SPM 500	12	1967	Otis	4,000	Jan. 2018
4	16069	Bldg 1	Passenger	Gearless Track SPM 500	12	1967	Otis	4,000	Jan. 2018
5	16071	Bldg 1	Passenger	Gearless Track SPM 500	12	1967	Otis	4,000	Jan. 2018
6	16073	Bldg 1	Passenger	Gearless Track SPM 500	12	1967	Otis	4,000	Jan. 2018
7	16074	Bldg 1	Service	Gearless Track SPM 500	12	1967	Otis	4,000	Jan. 2018
8	16076	Bldg 1	Service	Gearless Track SPM 500	12	1967	Otis	4,000	Jan. 2018
9	16077	Bldg 1	Service	Gearless Track SPM 500	13	1967	Otis	4,000	Jan. 2018
10	16078	Bldg 1	Service	Gearless Track SPM 500	13	1967	Otis	4,000	Jan. 2018
11	27554	Bldg 10	Passenger	Gearless Track SPM 350	4	1982	Montgomery	4,000	Jan. 2018
12	27555	Bldg 10	Passenger	Gearless Track SPM 350	4	1982	Montgomery	4,000	Jan. 2018
13	27556	Bldg 10	Passenger	Gearless Track SPM 350	4	1982	Montgomery	4,000	Jan. 2018
14	27553	Bldg 1	Freight	Hydraulic SPM 135	2	1967	Otis	4,000	Jan. 2018
15	77257	Bldg 44	Freight	Hydraulic SPM 50	4	2005	Motion	8,000	Jan. 2018
16	77258	Fisher House	Passenger	Hydraulic SPM 150	2	2010	TAC20	3,000	Jan. 2018
17	16346	Bldg 7	Passenger	Gearless Track SPM 350	3	1981	Armor	4,000	Jan. 2018
18	16347	Bldg 7	Passenger	Gearless Track SPM 350	3	1981	Armor	4,000	Jan. 2018
19	16348	Bldg 7	Service	Gearless Track SPM 200	4	1981	Armor	5,000	Jan. 2018
20	16349	Bldg 7	Service	Gearless Track SPM 200	4	1981	Armor	2,000	Jan. 2018
21	27557	Bldg 1A	Passenger	Hydraulic SPM 150	3	1984	Armor	4,000	Jan. 2018
22	27558	Bldg 1A	Passenger	Hydraulic SPM 150	3	1984	Armor	4,000	Jan. 2018
Dumbwaiters									
23	14220	Bldg 1A	Dumbwater	Drum Type SPM50	2	1967	D.A. Matot	500	Jan. 2018
24	14224	Bldg 1A	Dumbwater	Drum Type SPM50	2	1967	D.A. Matot	500	Jan. 2018

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NF/SG VA HEALTHCARE SYSTEM (Gainesville site)									
Service for Item NO. 25 and 26 takes affect in the 2nd year of Period of Performance - but may be subject to VA acceptance date of each VTS									
Vertical Transport Systems									
Item NO.	Car NO.	Location	Service	System Type	Floors Served	Year Acq.	Mfg.	Capacity (lbs)	Date of next Load Test required
1	P1	CLC	Passenger	Torqmax 16K	3	1981	Motion	5,000	Jan. 2015
2	P2	CLC	Passenger	Torqmax 16K	3	1981	Motion	5,000	Jan. 2015
3	P3	CLC	Passenger	Torqmax 16K	3	1981	Motion	5,000	Jan. 2015
4	S1	Bldg 1	Service	Torqmax 16K	6	1966	Motion	5,000	Jan. 2015
5	S2	Bldg 1	Service	Torqmax 16K	6	1966	Motion	5,000	Jan. 2015
6	P3	Bldg 1	Passenger	Magnetic DSD 412	6	1966	Motion	4,000	Jan. 2015
7	P4	Bldg 1	Passenger	Magnetic DSD 412	6	1966	Motion	4,000	Jan. 2015
8	P5	Bldg 1	Passenger	Magnetic DSD 412	6	1966	Motion	4,000	Jan. 2015
9	P6	Bldg 1	Passenger	Magnetic DSD 412	6	1966	Motion	4,000	Jan. 2015
10	P7	Bldg 1, E Wing	Passenger	Magnetic DSD 412	6	1975	Motion	4,000	Jan. 2015
11	P8	Bldg 1, E Wing	Passenger	Magnetic DSD 412	6	1975	Motion	4,000	Jan. 2015
12	P9	Bldg 1, E Wing	Passenger	Torqmax 16K	6	1975	Motion	4,000	Jan. 2015
13	P10	Bldg 1, E Wing	Passenger	Torqmax 16K	6	1975	Motion	4,000	Jan. 2015
14	P11	Bldg 1, ACA	Passenger	Hydraulic	2	1999	Motion	5,000	Jan. 2015
15	P12	Bldg 1, ACA	Passenger	Hydraulic	2	1999	Motion	5,000	Jan. 2015
16	P11	Bldg 1, Radiology	Passenger	Hydraulic	2	1982	Montgomery	4,000	Jan. 2015
17	P11	Bed Tower	Passenger	Torqmax 16K	6	2011	Motion	4,000	Jan. 2015
18	P12	Bed Tower	Passenger	Torqmax 16K	6	2011	Motion	4,000	Jan. 2015
19	P13	Bed Tower	Passenger	Torqmax 16K	6	2011	Motion	4,000	Jan. 2015
20	S13	Bed Tower	Service	Torqmax 16K	6	2011	Motion	6,000	Jan. 2015
21	S14	Bed Tower	Service	Torqmax 16K	6	2011	Motion	6,000	Jan. 2015
22	S15	Bed Tower	Service	Torqmax 16K	7	2011	Motion	6,000	Jan. 2015
23	A	Parking Garage 1	Passenger	Torqmax 16K	5	2011	Motion	4,000	Jan. 2015
24	B	Parking Garage 1	Passenger	Torqmax 16K	5	2011	Motion	4,000	Jan. 2015
25	A	Parking Garage 2	Passenger	Torqmax 16K	3	2013	Motion	TBD	TBD
26	B	Parking Garage 2	Passenger	Torqmax 16K	3	2013	Motion	TBD	TBD

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NF/SG VA HEALTHCARE SYSTEM (Lake City site)									
Vertical Transport Systems									
Item NO.	Car NO.	Location	Service	System Type	Floors Served	Year Acq.	Mfr	Capacity (lbs)	Date of next Load Test required
1	P2	Bldg 38	Passenger	Hydraulic Auto	3	1987	Interlif	4,000	Aug. 2016
2	P1	Bldg 38	Passenger	Traction Auto	3	1963	Interlif	4,000	Aug. 2016
3	P2	Bldg 62	Passenger	Hydraulic Auto	3	1987	Interlif	4,000	Aug. 2016
4	P1	Bldg 62	Passenger	Traction Auto	3	1963	Montgomery	4,000	Aug. 2016
5	P1	Bldg 64	Passenger	Traction Auto	5	1983	Long	4,000	Aug. 2016
6	P2	Bldg 64	Passenger	Traction Auto	5	1983	Long	4,000	Aug. 2016
7	S3	Bldg 64	Service	Traction Auto	5	1983	Long	4,000	Aug. 2016
8	S4	Bldg 64	Service	Traction Auto	5	1983	Long	4,000	Aug. 2016
9	F5	Bldg 64	Freight	Hydraulic Auto	2	1983	Long	4,000	Aug. 2016
10	P1	Bldg 64-2	Passenger	Hydraulic Auto	3	1985	Montgomery	4,000	Aug. 2016
11	P2	Bldg 64-2	Passenger	Hydraulic Auto	3	1985	Montgomery	4,000	Aug. 2016
12	P1	Bldg 82	Passenger	Hydraulic Auto	4	1987	National	4,000	Aug. 2016
13	P2	Bldg 82	Passenger	Hydraulic Auto	4	1987	National	4,000	Aug. 2016
14	P3	Bldg 82	Passenger	Hydraulic Auto	4	1992	National	4,000	Aug. 2016
15	P4	Bldg 82	Passenger	Hydraulic Auto	4	1984	National	4,000	Aug. 2016
Dumbwaiters									
16	D1	Bldg 64	Dumbwaiter	Traction Auto	4	1953	Elevator Supplies	300	Aug. 2016
17	D2	Bldg 64	Dumbwaiter	Traction Auto	4	1953	Elevator Supplies	300	Aug. 2016
18	D3	Bldg 64-2	Dumbwaiter	Traction Auto	2	1985	D. A. Matot	300	Aug. 2016
19	D4	Bldg 64-2	Dumbwaiter	Traction Auto	2	1985	D. A. Matot	300	Aug. 2016

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ORLANDO VA MEDICAL CENTER (Lake Baldwin and Lakemont sites)									
Vertical Transport Systems									
Item NO.	Car NO.	Location	Service	System Type	Floors Served	Year Acq.	Mfr	Capacity (lbs)	Date of next Load Test required
1	1	Bldg 500	Passenger	Gearless Tract SMP 500	4	1982	Montgomery	4,500	July, 2017
2	2	Bldg 500	Passenger	Gearless Tract SMP 500	4	1982	Montgomery	4,500	July, 2017
3	3	Bldg 500	Passenger	Gearless Tract SMP 500	5	1982	Montgomery	6,000	July, 2017
4	4	Bldg 500	Passenger	Gearless Tract SMP 500	5	1982	Montgomery	6,000	July 2017
5	1	Bldg 520A	Passenger	Hydraulic 125	3	2000	Thyssen Krupp	4,500	July 2017
6	1A	Lakemont Bldg	Passenger	Hydraulic 125	3	1989	Motion	3,500	July 2017
7	1B	Lakemont Bldg	Passenger	Hydraulic 330A	3	2011	Motion	3,500	July 2017
8	2B	Lakemont Bldg	Passenger	Hydraulic 330A	3	2011	Motion	3,500	July 2017
Cart Lifts									
9	1	Bldg 500	Cart Lift	Geared Traction 100		1982	Montgomery	1,000	July, 2017
10	2	Bldg 500	Cart Lift	Geared Traction 100		1982	Montgomery	1,000	July, 2017

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ORLANDO VA MEDICAL CENTER (Lake Nona site)									
Service for Item NO. 1 through 29 takes affect in the 2nd year of Period of Performance - but may be subject to VA acceptance date of each VTS									
Vertical Transport Systems									
Item NO.	Car NO.	Location	Service	System Type	Floors Served	Year Acq.	Mfgr	Capacity (lbs)	Date of next Load Test required
1	EP1	Main Hospital Bldg	Passenger	TRACTION	4	2015	Thyssen Krupp	4,000	2020
2	EP2	Main Hospital Bldg	Passenger	TRACTION	4	2015	Thyssen Krupp	4,000	2020
3	EP3	Main Hospital Bldg	Passenger	TRACTION	4	2015	Thyssen Krupp	4,000	2020
4	EP4	Main Hospital Bldg	Passenger	TRACTION	4	2015	Thyssen Krupp	4,000	2020
5	DS1	Main Hospital Bldg	Passenger	TRACTION	5	2015	Thyssen Krupp	6,000	2020
6	DS2	Main Hospital Bldg	Passenger	TRACTION	5	2015	Thyssen Krupp	6,000	2020
7	DS3	Main Hospital Bldg	Passenger	TRACTION	10	2015	Thyssen Krupp	6,000	2020
8	DS4	Main Hospital Bldg	Passenger	TRACTION	4	2015	Thyssen Krupp	5,000	2020
9	DS5	Main Hospital Bldg	Passenger	TRACTION	4	2015	Thyssen Krupp	5,000	2020
10	DT1	Main Hospital Bldg	Passenger	TRACTION	4	2015	Thyssen Krupp	6,000	2020
11	DT2	Main Hospital Bldg	Passenger	TRACTION	4	2015	Thyssen Krupp	6,000	2020
12	AS1	Clinic	Passenger	TRACTION	10	2015	Thyssen Krupp	5,000	2020
13	AS2	Clinic	Passenger	TRACTION	4	2015	Thyssen Krupp	5,000	2020
14	BS1	Clinic	Passenger	TRACTION	5	2015	Thyssen Krupp	5,000	2020
15	BS2	Clinic	Passenger	TRACTION	4	2015	Thyssen Krupp	5,000	2020
16	CP1	Clinic	Passenger	TRACTION	4	2015	Thyssen Krupp	4,000	2020
17	CP2	Clinic	Passenger	TRACTION	4	2015	Thyssen Krupp	4,000	2020
18	CP3	Clinic	Passenger	TRACTION	4	2015	Thyssen Krupp	4,000	2020
19	CP4	Clinic	Passenger	TRACTION	4	2015	Thyssen Krupp	4,000	2020
20	CP5	Clinic	Passenger	TRACTION	4	2015	Thyssen Krupp	4,000	2020
21	CP6	Clinic	Passenger	TRACTION	4	2015	Thyssen Krupp	4,000	2020
22	CP7	Clinic	Passenger	TRACTION	4	2015	Thyssen Krupp	4,000	2020
23	GP1	West Parking Garage	Passenger	TRACTION	8	2015	Thyssen Krupp	4,000	2018
24	GP2	West Parking Garage	Passenger	TRACTION	8	2015	Thyssen Krupp	4,000	2018
25	GP3	East Parking Garage	Passenger	TRACTION	8	2015	Thyssen Krupp	4,000	2018
26	GP4	East Parking Garage	Passenger	TRACTION	8	2015	Thyssen Krupp	4,000	2018
27	PW1	Warehouse	Passenger	HYDRAULIC	3	2012	Thyssen Krupp	5,000	2017
28	SW1	Warehouse	Service	HYDRAULIC	2	2012	Thyssen Krupp	5,000	2017
29	SW1	Warehouse	Service	HYDRAULIC	2	2012	Thyssen Krupp	5,000	2017
30	D1	DOM	Passenger	TRACTION	4	2013	Thyssen Krupp	4,000	2018
31	D2	DOM	Passenger	TRACTION	4	2013	Thyssen Krupp	4,000	2018

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<b>JAMES A. HALEY VA HEALTHCARE SYSTEM (Tampa)</b>									
<b>Vertical Transport Systems</b>									
<b>Item NO.</b>	<b>Car NO.</b>	<b>Location</b>	<b>Service</b>	<b>System Type</b>	<b>Floors Served</b>	<b>Year Acq.</b>	<b>Mfr</b>	<b>Capacity (lbs)</b>	<b>Date of next Load Test required</b>
1	Elev. #1	Bldg 1	Passenger	Gearless Auto	8	1972	Haughton	4,000	Nov. 2016
2	Elev. #2	Bldg 1	Passenger	Gearless Auto	8	1972	Haughton	4,000	Nov. 2016
3	Elev. #3	Bldg 1	Passenger	Gearless Auto	8	1972	Haughton	4,000	Nov. 2016
4	Elev. #4	Bldg 1	Passenger	Gearless Auto	8	1972	Haughton	4,000	Nov. 2017
5	Elev. #5	Bldg 1	Passenger	Gearless Auto	8	1972	Haughton	4,000	Nov. 2017
6	Elev. #6	Bldg 1	Passenger	Gearless Auto	3	1972	Haughton	5,000	Nov. 2016
7	Elev. #7	Bldg 1	Passenger	Gearless Auto	3	1972	Haughton	5,000	Nov. 2017
8	Elev. #9	Bldg 1	Passenger	Hydraulic Auto	3	1979	General	4,000	Nov. 2016
9	Elev. #10	Bldg 1	Service / Robot	Gearless Auto	8	1989	GMW	5,000	Nov. 2017
10	Elev. #11	Bldg 1	Service / Robot	Gearless Auto	8	1989	GMW	5,000	Nov. 2017
11	Elev. #12	CLC Bldg 30	Passenger	Hydraulic Auto	4	1984	GMW	4,000	Nov. 2016
12	Elev. #13	CLC Bldg 30	Passenger	Hydraulic Auto	4	1984	GMW	4,000	Nov. 2016
13	Elev. #14	CLC Bldg 30	Passenger	Hydraulic Auto	4	1984	GMW	4,000	Nov. 2016
14	Elev. #15	CLC Bldg 30	Passenger	Hydraulic Auto	4	1984	GMW	4,000	Nov. 2016
15	Elev. #16	RTU Bldg 32	Passenger	Hydraulic Auto	2	1987	GMW	5,000	Nov. 2016
16	Elev. #17	RTU Bldg 32	Passenger	Hydraulic Auto	2	1987	GMW	5,000	Nov. 2016
17	Elev. #18	MRI	Passenger	Hydraulic Auto	3	1992	GMW	4,000	Nov. 2016
18	Elev. #19	Admin Annex Bldg 42	Passenger	Gearless Auto	2	1994	GMW	2,000	Nov. 2016
19	Elev. #20	Bldg 1	Service	Hydraulic - Key	2	1995	Montgomery/Cone	1,000	Nov. 2016
20	Elev. #21	SCI Bldg 38	Passenger	Hydraulic - Key	3	2002	Montgomery/Cone	5,000	Nov. 2016
21	Elev. #23	Admin Annex Bldg 41	Passenger	Gearless Auto	2	2006	Mowrey	2,000	Nov. 2016
22	Elev. #24	Fisher House Bldg 53	Passenger	Gearless Auto	2	2007	Schind	2,500	Nov. 2016
23	Elev. #25	Polytrauma Cntr. Bldg 64	Passenger	Hydraulic	2	2009	Mowrey	4,500	Nov. 2016
24	Elev. #26	Parking Garage	Passenger	Gearless Auto	6	11/20/2011	Hollister/Whitney	4,000	Nov. 2016
25	Elev. #27	Parking Garage	Passenger	Gearless Auto	6	11/20/2011	Hollister/Whitney	4,000	Nov. 2016
26	Elev. #28	Parking Garage	Passenger	Gearless Auto	6	11/20/2011	Hollister/Whitney	4,000	Nov. 2016
27	Elev. #30	New Polytrauma Bldg	Passenger	Gearless Auto	3	1/1/2012	Kone	6,000	2013
28	Elev. #31	New Polytrauma Bldg	Passenger	Gearless Auto	3	1/1/2012	Kone	6,000	2013
29	Elev. #32	New Polytrauma Bldg	Passenger	Gearless Auto	3	1/1/2012	Kone	6,000	2013
30	Elev. #33	New Polytrauma Bldg	Passenger	Gearless Auto	6	1/1/2012	Kone	6,000	2013
31	Elev. #34	New Polytrauma Bldg	Passenger	Gearless Auto	6	1/1/2012	Kone	6,000	2013
<b>Dumbwaiters</b>									
32	3	Bldg 1	Dumbwaiter	Gearless Auto	2	1972	D. A. Matot	400	Nov. 2016
33	4	Bldg 1	Dumbwaiter	Gearless Auto	2	1972	D. A. Matot	400	Nov. 2016

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WEST PALM BEACH VA MEDICAL CENTER									
Vertical Transport Systems									
Item NO.	Car NO.	Location	Service	System Type	Floors Served	Year Acq.	Mfr.	Capacity (lbs)	Date of next Load Test required
1	CC3463 (P-1)	Bldg 1	Passenger	Screw Drive Automatic	10	1993	Dover	4,000	Nov. 2017
2	CC3463 (P-2)	Bldg 1	Passenger	Screw Drive Automatic	10	1993	Dover	4,000	Nov. 2017
3	CC3466 (P-3)	Bldg 1	Passenger	Screw Drive Automatic	10	1993	Dover	4,000	Nov. 2017
4	CC3467 (P-4)	Bldg 1	Passenger	Screw Drive Automatic	10	1993	Dover	4,000	Nov. 2017
5	CC3468 (P-5)	Bldg 1	Passenger	Screw Drive Automatic	10	1993	Dover	4,000	Nov. 2017
6	CC3470 (P-8)	Bldg 1	Passenger	Screw Drive Automatic	5	1993	Dover	4,000	Nov. 2017
7	CC3471 (P-9)	Bldg 1	Passenger	Screw Drive Automatic	5	1993	Dover	4,000	Nov. 2017
8	CC3472 (P-10)	Bldg 1	Passenger	Screw Drive Automatic	5	1993	Dover	4,000	Nov. 2017
9	CC3474 (S-1)	Bldg 1	Service	Screw Drive Automatic	10	1993	Dover	5,000	Nov. 2017
10	CC3475 (S-2)	Bldg 1	Service	Screw Drive Automatic	10	1993	Dover	5,000	Nov. 2017
11	CC3476 (S-3)	Bldg 1	Service	Screw Drive Automatic	10	1993	Dover	5,000	Nov. 2017
12	CC3479 (S-6)	Bldg 1	Service	Screw Drive Automatic	5	1993	Dover	5,000	Nov. 2017
13	CC3480 (S-7)	Bldg 1	Service	Screw Drive Automatic	5	1993	Dover	5,000	Nov. 2017
14	CC3481 (S-8)	Bldg 1	Service	Screw Drive Automatic	5	1993	Dover	5,000	Nov. 2017
15	CC3484 (S-9)	Bldg 2	Service	Hydraulic	2	1993	Dover	4,500	Nov. 2017
16	E-C3482 (PG)	Bldg 2	Passenger	Hydraulic	3	1993	Dover	3,000	Nov. 2017
17	E-C3483 (PG)	Bldg 1	Passenger	Hydraulic	3	1993	Dover	3,000	Nov. 2017
18	CC3477 (S-4)	Bldg 1	Service	Screw Drive Automatic	10	1993	Dover	5,000	Nov. 2017
19	CC3478 (S-5)	Bldg 1	Service	Screw Drive Automatic	10	1993	Dover	5,000	Nov. 2017
20	22797 (#5)	Bldg 15 Cancer Ctr	Passenger	Hydraulic	2	2010	Thyssen Krupp	4,500	Dec. 2015
21	MH 1	Bldg 16 MH	Passenger	Hydraulic	2	2012	Thyssen Krupp	4,000	Sept. 2017
Cart Lifts									
22	22791 (#1)	Bldg 1	Cart Lift	Automatic Loading	10	1993	D. A. Matot	1,000	Dec. 2015
23	22792 (#2)	Bldg 1	Cart Lift	Automatic Loading	10	1993	D. A. Matot	1,000	Dec. 2015
24	22793 (#3)	Bldg 1	Cart Lift	Automatic Loading	10	1993	D. A. Matot	1,000	Dec. 2015
25	22795 (#6)	Bldg 1	Cart Lift	Automatic Loading	10	1993	D. A. Matot	1,000	Dec. 2015
26	22794 (#7)	Bldg 1	Cart Lift	Automatic Loading	5	1993	D. A. Matot	1,000	Dec. 2015
Dumbwaiters									
27	22630 (#1)	Bldg 1	Dumbwaiter	Overhead Automatic	10	1993	D. A. Matot	300	Dec. 2015
28	22631 (#2)	Bldg 1	Dumbwaiter	Overhead Automatic	2	1993	D. A. Matot	300	Dec. 2015
29	22636 (#3)	Bldg 1	Dumbwaiter	Overhead Automatic	2	1993	D. A. Matot	500	Dec. 2015
30	22796 (#4)	Bldg 1	Dumbwaiter	Overhead Automatic	2	1993	D. A. Matot	500	Dec. 2015
Notes for the WPB cart lifts and dumbwaiters:									
1)	All traction elevators, dumbwaiters, cart lifts and hydraulic elevator #S-9, have a 20.3 foot rise per foot.								
2)	Cart lift #6 and dumbwaiters # 4 and # 5 have twice the rope for their rise.								
3)	Bldg 15 Hydraulic Elevator (EAL336) is front and rear door.								

# CHECKLIST FOR INSPECTION OF ELECTRIC ELEVATORS

## GENERAL NOTES:

(a) See ASME A17.2-2004 for detailed inspection information on each item number.

(b) OK = meets requirements; NG = insert number to identify comment on back of this Checklist; NA = not applicable.

Address: \_\_\_\_\_

- ☐ Routine inspection and test  
☐ Periodic inspection and test  
☐ Acceptance inspection and test

ID No: \_\_\_\_\_

Code Edition: \_\_\_\_\_

Inspected by: \_\_\_\_\_

☐ Passenger Rated load: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Freight class \_\_\_\_\_ Speed: \_\_\_\_\_

QEI No: \_\_\_\_\_ Certifying organization: \_\_\_\_\_

	OK	NG	NA		OK	NG	NA
<b>1 ELEVATOR — INSIDE OF CAR</b>				<b>2.21 Belt- or chain-drive machine</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.1 Door reopening device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.22 Motor generator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2 Stop switches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.23 Absorption of regenerated power	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3 Operating control devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.24 AC drives from a DC source	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4 Sills and car floor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.25 Traction sheaves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5 Car lighting and receptacles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.26 Secondary and deflector sheaves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.6 Car emergency signal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.27 Rope fastenings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.7 Car door or gate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.28 Terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.8 Door closing force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.29 Car and counterweight safeties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.9 Power closing of doors or gates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.39 Low oil protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.10 Power opening of doors or gates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.40 Inspection control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.11 Car vision panels and glass car doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.41 Maintenance records	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.12 Car enclosure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.42 Static control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.13 Emergency exit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
1.14 Ventilation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>3 ELEVATOR — TOP OF CAR</b>			
1.15 Signs and operating device symbols	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.1 Top-of-car stop switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.16 Rated load, platform area, and data plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2 Car top light and outlet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.17 Standby power operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3 Top-of-car operating device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.18 Restricted opening of car or hoistway doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.4 Top-of-car clearance, refuge space, and standard railing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.19 Car ride	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.5 Normal terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 ELEVATOR — MACHINE ROOM</b>				3.6 Final and emergency terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.1 Access to machine space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.7 Car leveling and anticreep devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2 Headroom	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.8 Top emergency exit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3 Lighting and receptacles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.9 Floor and emergency identification numbering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.4 Machine space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.10 Hoistway construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.5 Housekeeping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.11 Hoistway smoke control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.6 Ventilation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.12 Pipes, wiring, and ducts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.7 Fire extinguisher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.13 Windows, projections, recesses, and setbacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.8 Pipes, wiring, and ducts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.14 Hoistway clearances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.9 Guarding of exposed auxiliary equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.15 Multiple hoistways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.10 Numbering of elevators, machines, and disconnect switches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.16 Traveling cables and junction boxes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.11 Disconnecting means and control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.17 Door and gate equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.12 Controller wiring, fuses, grounding, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.18 Car frame and stiles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.13 Governor, overspeed switch, and seal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.19 Guide rails fastening and equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.14 Code data plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.20 Governor rope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.15 Static control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.21 Governor releasing carrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.16 Overhead beam and fastenings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.22 Wire rope fastening and hitch plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.17 Drive machine brake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.23 Suspension rope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.18 Traction drive machines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.24 Top counterweight clearance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.19 Gears, bearings, and flexible couplings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.25 Car, overhead, and deflector sheaves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.20 Winding drum machine and slack cable device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

## CHECKLIST FOR INSPECTION OF ELECTRIC ELEVATORS (Back)

		OK	NG	NA			OK	NG	NA
3.26	Broken rope, chain, or tape switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.2	Bottom clearance, runby, and minimum refuge space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.27	Crosshead data plate and rope data tags	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.3	Final and emergency terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.28	Counterweight and counterweight buffer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.4	Normal terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.29	Counterweight safeties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.5	Traveling cables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.33	Compensating ropes and chains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.6	Governor-rope tension devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4</b>	<b>ELEVATOR — OUTSIDE HOISTWAY</b>				5.7	Car Frame and platform	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.1	Car platform guard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.8	Car safeties and guiding members — including roped-hydraulic elevators installed under A17.1b-1989 and later editions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2	Hoistway doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.9	Buffers and emergency terminal speed limiting devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.3	Vision panels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.10	Compensating chains, ropes, and sheaves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.4	Hoistway door locking devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>6</b>	<b>ELEVATOR — FIREFIGHTERS' SERVICE</b>			
4.5	Access to hoistway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.1	<input type="checkbox"/> A17.1b-1973 through A17.1b-1980	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.6	Power closing of hoistway doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.2	<input type="checkbox"/> A17.1-1981 through A17.1b-1983	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.7	Sequence operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3	<input type="checkbox"/> A17.1-1984 through A17.1a-1988 and A17.3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.8	Hoistway enclosure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.4	<input type="checkbox"/> A17.1b-1989 through A17.1d-2000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.9	Elevator Parking devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
4.10	Emergency doors in blind hoistways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
4.11	Separate counterweight hoistway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
4.12	Standby power selection switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
4.13	Inspection control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
<b>5</b>	<b>ELEVATOR — PIT</b>								
5.1	Pit access, lighting, stop switch, and condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

**Comments:**

# CHECKLIST FOR INSPECTION OF HYDRAULIC ELEVATORS

## GENERAL NOTES:

(a) See ASME A17.2-2004 for detailed inspection information on each item number.

(b) OK = meets requirements; NG = insert number to identify comment on back of this Checklist; NA = not applicable.

Address: \_\_\_\_\_

ID No: \_\_\_\_\_

☐ Passenger

Rated load: \_\_\_\_\_

☐ Freight class \_\_\_\_\_

Speed: \_\_\_\_\_

☐ Routine inspection and test

☐ Periodic inspection and test

☐ Acceptance inspection and test

Code Edition: \_\_\_\_\_

Inspected by: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

QEI No: \_\_\_\_\_ Certifying organization: \_\_\_\_\_

	OK	NG	NA		OK	NG	NA
<b>1 ELEVATOR — INSIDE OF CAR</b>				<b>2.36</b>			
1.1 Door reopening device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.37 Pressure switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2 Stop switches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.38 Roped water hydraulic elevators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3 Operating control devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.39 Low oil protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4 Sills and car floor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.40 Inspection control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5 Car lighting and receptacles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.41 Maintenance records	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.6 Car emergency signal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.42 Static control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.7 Car door or gate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
1.8 Door closing force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>3 ELEVATOR — TOP OF CAR</b>			
1.9 Power closing of doors or gates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.1 Top-of-car stop switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.10 Power opening of doors or gates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2 Car top light and outlet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.11 Car vision panels and glass car doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3 Top-of-car operating device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.12 Car enclosure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.4 Top-of-car clearance, refuge space, and standard railing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.13 Emergency exit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.5 Normal terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.14 Ventilation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.6 Final and emergency terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.15 Signs and operating device symbols	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.7 Car leveling and anticreep devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.16 Rated load, platform area, and data plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.8 Top emergency exit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.17 Standby power operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.9 Floor and emergency identification numbering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.18 Restricted opening of car or hoistway doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.10 Hoistway construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.19 Car ride	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.11 Hoistway smoke control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 ELEVATOR — MACHINE ROOM</b>				3.12 Pipes, wiring, and ducts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.1 Access to machine space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.13 Windows, projections, recesses, and setbacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2 Headroom	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.14 Hoistway clearances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3 Lighting and receptacles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.15 Multiple hoistways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.4 Machine space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.16 Travelling cables and junction boxes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.5 Housekeeping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.17 Door and gate equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.6 Ventilation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.18 Car frame and stiles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.7 Fire extinguisher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.19 Guide rails fastenings and equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.8 Pipes, wiring, and ducts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.20 Governor rope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.9 Guarding of exposed auxiliary equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.21 Governor releasing carrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.10 Numbering of elevators, machines, and disconnect switches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.22 Wire rope fastening and hitch plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.11 Disconnecting means and control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.23 Suspension rope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.12 Controller wiring, fuses, grounding, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.27 Crosshead data plate and rope data tags	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.13 Governor, overspeed switch, and seal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.28 Counterweight and counterweight buffer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.14 Code data plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.29 Counterweight safeties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.30 Hydraulic power unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.30 Speed test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.31 Relief valves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.31 Slack rope device — roped-hydraulic elevators installed under A17.1b-1989 and later editions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.32 Control valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.32 Travelling sheave — roped-hydraulic elevators installed under A17.1b-1989 and later editions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.33 Tanks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
2.34 Flexible hydraulic hose and fitting assemblies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
2.35 Supply line and shutoff valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

**OK NG NA**

OK NG NA

4.1	Car platform guard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2	Hoistway doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.3	Vision panels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.4	Hoistway door locking devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.5	Access to hoistway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.6	Power closing of hoistway doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.7	Sequence operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.8	Hoistway enclosure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.9	Elevator parking device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.10	Emergency doors in blind hoistways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.12	Standby power selection switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.13	Inspection control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5.1	Pit access, lighting, stop switch, and condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.2	Bottom clearance, runby, and minimum refuge space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.4	Normal terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5.6	Governor-rope tension device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.7	Car frame and platform	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.8	Car safeties and guiding members — including roped-hydraulic elevators installed under A17.1b-1989 and later editions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5.12	Car buffer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.13	Guiding members	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.14	Supply piping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6.1	<input type="checkbox"/>	A17.1b-1973 through A17.1b-1980	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2	<input type="checkbox"/>	A17.1-1981 through A17.1b-1983	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.3	<input type="checkbox"/>	A17.1-1984 through A17.1a-1988 and A17.3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.4	<input type="checkbox"/>	A17.1b-1989 through A17.1d-2000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Comments:**

**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
6.5.1	<b>Emergency Signalling 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			
6.5.2	<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			
6.5.3	<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			
6.5.4	<b>Monthly Test</b>	8.6.10.1			
6.5.4.1	Monthly test log is completed.				
6.5.5	<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)			

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

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

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			

**Acceptance Checklist for Firefighters' Service (A17.1-2000 and B44-00): Automatic Elevators  
(Cont'd)**

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

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)			
6.5.10	<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)			
6.5.11	<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)			
6.5.12	<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			

**Acceptance Checklist for Firefighters' Service (A17.1-2000 and B44-00): Automatic Elevators  
(Cont'd)**

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

Item	Check	A17.1-2000 and B44-2000	Pass	Fail	NA
6.5.13	<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)			
6.5.14	<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			
6.5.15	<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			
6.5.16	<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				
6.5.17	<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			
6.5.18	<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)			

**Acceptance Checklist for Firefighters' Service (A17.1-2000 and B44-00): Automatic Elevators  
(Cont'd)**

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

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			