

SECTION 117313
PATIENT LIFTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Refer to Schedule herein below:

1.2 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract and Division 01 Specification Sections apply to this Section.
- B. Section 017419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL: Procedural and administrative requirements for construction and demolition recycling.
- C. Section 055000 - METAL FABRICATIONS: Supplemental support system connecting lifts to building structure, as indicated.
- D. Division 26 - ELECTRICAL: Electrical supply to patient lifts.

1.3 SUBMITTALS

- A. Submit the following:
1. Literature: Manufacturer's product data sheets and specifications, for each product installed and furnished hereunder clearly indicating configurations, sizes, materials, finishes, locations, utility connections and locations. Include information on accessories and options.
 2. Manufacturer's installation instructions: Indicate special procedures, perimeter conditions and conditions requiring special attention.
 3. Manufacturer's certificates: Certify that Products provided under this Section meet or exceed UL and specified requirements.
 4. Manufacturer's sample warranties.
 5. Shop drawings for coordination: Provide dimensioned locations for utility connections.
 6. Manufacturer's Literature and Data:
 7. Individual Room layouts showing location of lift system installation shall be approved before proceeding with installation of lifts.
 8. Manufacturer's Checklist for after installation inspection.

1.4 REGULATORY REQUIREMENTS

- A. Products requiring electrical connections: Listed and classified by UL, as suitable for the purpose specified and indicated.
- B. Provide and install the work of this Section in conformance with all applicable federal, state and municipal codes, laws and regulations regarding utilities, health, fire protection and safety.

1.5 QUALITY ASSURANCE

- A. Certification for compliance is required for Ceiling Mounted Patient Lift Systems. Certifications shall be provided by an independent third party who will conduct testing to ensure that the

ceiling lift and charging system are safe and in compliance with ISO 10535 & UL 60601-1

- B. Inspection of equipment after installation is required prior to use for patient movement. Inspection shall be in accordance with manufacturer's installation checklist and the facilities installation checklist (Patient Safety Alert AL14-07).
- C. Certification labels: Provide equipment which complies with standards and bears certification labels as follows:
 - 1. Energy ratings: Provide energy guide labels with energy cost analysis (annual operating costs) and energy information as required by Federal Trade Commission.
 - 2. UL standards: Provide residential equipment with UL labels.

1.6 APPLICABLE PUBLICATIONS

- A. The publications listed below form a part of this specification to the extent referenced. The publications are listed in the text by the basic designation only.
- B. International Organization for Standardization (IOS):
 - 1. 10535-06 Hoist for the Transfer of Disabled Persons-Requirements and Test Methods.
- C. Underwriters Laboratories (UL):
 - 1. 60601-1(2003): Medical Electrical Equipment: General Requirements for Safety.
 - 2. 94-2013: UL Standards for Safety Test for Flammability of Plastic Materials for Parts in Devices and Appliances-Fifth Edition.
- D. International Electromagnetic Commission (IEC): 801-2(1991)Electromagnetic Compatibility for Industrial-Process
- E. Patient Safety Alert AL14-07

1.7 DELIVERY, STORAGE AND HANDLING

- A. Store all materials in original packaging in protected interior location.
- B. Coordinate schedule of construction, size of access and route to place of installation to prevent delay of installation due to physical impediments. Any work involving the demolition and reconstruction of partitions, walls, floors, roofing, windows or doors to place and install the work of this Section shall be performed at not additional cost to the Owner.

1.8 WARRANTY

- A. Provide manufacturer's standard warranties under the provisions of 019999 – PROJECT CLOSEOUT.

PART 2 - PRODUCTS

2.1 LIFT SCHEDULE

- A. GENERAL
 - 1. The ceiling-mounted patient lift system shall be designed, manufactured, shipped, handled, and installed by SureHands Lift & Care Systems and its agents. The removal of existing systems and the delivery and installation of new systems shall be phased to accommodate the progression of the project and these activities shall be identified in the

Contractor's project schedule. The division of responsibility shall be as follows:

B. GROUND FLOOR

1. Ground Floor patient lift systems located in the Swing Nursing Unit will be furnished and installed by SureHands under an existing purchase order between SureHands and the VAMC. The contractor shall accommodate this work within the Phase 1 project schedule and shall extend full site access to SureHands during normal working hours. The contractor shall coordinate the trades to ensure a smooth and professional progression of the work. The contractor shall coordinate the location of one electrical outlet in each patient room with SureHands, final location approved by VAMC, for convenient recharging of patient lift motor. The contractor shall have no other obligation to SureHands.

C. FIRST FLOOR

1. Removal and disposal of the existing patient lift systems and associated structural support shall be by SureHands working directly for the Contractor. The Contractor shall carry the associated costs within their contract.
2. The structural support for the new ceiling-mounted patient lift systems shall be Contractor Furnished & Installed. The materials and labor shall be provided by SureHands working directly for the Contractor. The Contractor shall carry the associated costs within their contract.
3. The new ceiling-mounted patient lift systems shall be Owner Furnished & Installed. All work shall be by SureHands working directly for the VAMC under a new purchase order between SureHands and the VAMC. The contractor shall accommodate this work within the Phase 2 and Phase 3 project schedules and shall extend full site access to SureHands during normal working hours. The contractor shall coordinate the trades to ensure a smooth and professional progression of the work. The contractor shall coordinate the location of one electrical outlet in each patient room with SureHands, final location approved by VAMC, for convenient recharging of patient lift motor. The contractor shall have no other obligation to SureHands.
4. Refer to the layout documents prepared by SureHands Lift & Care Systems. The lift systems indicated on the architect's reflected ceiling plan and elsewhere within the project drawings are illustrated in Good Faith by the Architect for general reference & coordination but are not guaranteed to be the final layout.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Inspect all surfaces and verify that they are in proper condition to receive the work of this Section. Notify the Contractor, and copy to Architect, in writing of any conditions detrimental to the proper and timely completion of the work, and do not proceed with the work until said conditions are corrected.
- B. Verify clearances required for equipment.
- C. Verify ventilation outlets, service connections, and supports are correct and in required location.
- D. Verify that electric power is available and of the correct characteristics.
- E. Beginning of installation means acceptance of existing site conditions.

3.2 INSTALLATION

- A. Install ceiling mounted patient lift system as per manufacturer's instruction and under the supervision of manufacturer's qualified representative and as shown on drawings.
- B. If the distance in between the suspended ceiling and anchors is more than 18 inches consult

with manufacturer to determine if lateral braces will be required.

3.3 Instruction and personnel training

- A. Training shall be provided for the required personnel to educate them on proper operation and maintenance for the lift system equipment.

3.4 TEST

- A. Conduct performance test, in the presence of the Owner, Architect and a manufacturer's field representative, to show that the patient lift system equipment and control devices operate properly and in accordance with design and specification requirements.

3.5 INSPECTION

- A. Inspection of installed ceiling mounted patient lift systems shall be conducted in accordance with the manufacturer's installation checklist and the facilities installation checklist (Patient Safety Alert AL14-07) prior to use for patient movement.

3.6 ADJUSTING

- A. Adjust work under provisions of Section 017300 - EXECUTION.
- B. Adjust equipment to ensure proper working order and conditions.
- C. Remove and replace equipment creating excessive noise, or vibration.
- D. After installation is completed, insure that operating parts work freely and fit neatly. Adjust hardware and catches as required. Repair or replace damaged parts dents, buckles, abrasions, scraps or other damage affecting the appearance or serviceability.

3.7 CLEANING

- A. At completion of each work day, remove tools and all crating boxes, coverings, rubbish and debris from the work area; leave area in broom-clean condition.
- B. Upon completion of the work of this Section, remove tools and all crating boxes, coverings, rubbish and debris from the work area; leave area in broom-clean condition.
- C. Wash and clean appliances.
- D. Clean and polish glass, plastic, hardware and accessories, fixtures and fittings.
- E. Remove protective coverings from prefinished work just prior to Owner's acceptance of facility.

3.8 ATTACHMENTS

- A. APPENDIX A, 117313.A: STRUCTURAL CERTIFICATION
- B. APPENDIX B, 117313.B: BASE SCOPE – PATIENT LIFT DRAWINGS

END OF SECTION