

**Part 1 General**

**1.1 SHOP DRAWINGS**

- .1 Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Manufacturer's Literature and Data:
  - .1 Lifting Capacity
  - .2 Lifting Speed
  - .3 Horizontal Displacement Speeds
  - .4 Horizontal Axis Motor
  - .5 Vertical Axis Motor
  - .6 Emergency Brake
  - .7 Emergency Lowering Device
  - .8 Emergency Stopping Device
  - .9 Electronic Soft-Start and Soft-Stop Motor Control
  - .10 Current Limiter for Circuit Protection
  - .11 Low Battery Disconnect System
  - .12 Strap Length
  - .13 All equipment anchors and supports. Submittals shall include weights, dimensions, center of gravity, standard connections, manufacturer's recommendations and behavior problems (e.g., vibration, thermal expansion,) associated with equipment or piping so that the proposed installation can be properly reviewed.
- .3 Individual Room layouts showing location of lift system installation shall be approved before proceeding with installation of lifts.

**Part 2 Products**

**2.1 CEILING TRACK SYSTEM**

- .1 The Ceiling Track shall be made from high strength extruded aluminum T66081-T5 at a thickness of 3/16" (4.8mm). Provide anchor supports at a minimum 3 per linear foot at ceiling substrate. The ceiling track shall be finished with baked enamel paint.

**2.2 LIFT UNIT**

- .1 The Lift Unit shall be constructed of a steel frame system (2205lbs / 1000kg tested) driven by a gear reduced high torque motor.

- .2 The lift system shall have the following features:
  - .1 Lifting capacity: 1000 lbs (454 kg)
  - .2 Lift Motor: 24 VDC
  - .3 Transverse Motor: 27 VDC (Optional)
  - .4 Reverse to Charger Function: Power traverse motor. Activated by User. Weight sensor cut out at 5.5 amps.
  - .5 Digital Display: Indicated number of lifts and battery level
  - .6 Diagnostic Mode: Via digital display. Display lower limit switch and upper limit switch errors.
  - .7 Maintenance Indicator: Via digital display.
  - .8 Soft Tart/Stop: For both vertical and horizontal displacement.
  - .9 Manual Emergency Lowering & Raising
  - .10 Electrical Emergency Lowering
  - .11 Emergency Stop
  - .12 Overload Circuit Protection
  - .13 Low Battery Disconnect
  - .14 Battery Indicator
  - .15 Low Battery Indicator
  - .16 Charging Indicator
  - .17 Lift Case
  - .18 Centrifugal Braking System
  - .19 Gear Constrcution: Metal and Acetal
  - .20 Strap Length: Up to 2134 mm tested to 4488 lbs.
  - .21 Lift Weight: 24.5 lbs. (11.1 kg)
  - .22 Lift Size: 13.04" x 7.15" x 10.14"
  - .23 Duty Cycle: 1 minute "ON", 9 minutes "OFF"
  - .24 Horizontal Speed: Adjustable, 4 present settings
  - .25 Acceptable material: Prism Medical, C-1000 Fixed Ceiling Lift.

**2.3 BATTERIES**

- .1 The life cycle (number of charging cycles) for batteries shall be in compliance with IEC 801-2.
- .2 24 VCD, 12 x 2 VCD, 5.0 Ah

**2.4 CHARGING UNIT**

- .1 Power indicators on charging module.
- .2 End stop charger enclosed on track.

- .3 120 VAC; 24 VDC, 1.5 Amps.

**2.5 HANDSET**

- .1 ABS fire retardant.
- .2 Tactile buttons,
- .3 Pneumatic hand control – piston displacement.

**Part 3 Execution**

**3.1 INSTALLATION**

- .1 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.
- .2 Training shall be provided for the required personal to educate them on proper operation and maintenance of the lift system equipment.
- .3 Conduct performance test, in the presence of the Contract Administrator 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.

**END OF SECTION**