SECTION 144501 - SURFACE MOUNTED VEHICLE LIFTS

This section was developed for use on department of correctional services projects. It should be used as a guide only. It must be edited to suite actual requirements.

1. GENERAL
   * + 1. RELATED WORK SPECIFIED ELSEWHERE
          1. Wiring for Motors and Motor Controllers: Section 260523.
          2. Motors, Motor Controllers: Section 260221.
       2. SUBMITTALS
          1. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.
          2. Manufacturer’s installation instructions shall be provided along with product data.
          3. Submittals shall be provided in the order in which they are specified and tabbed (for combined submittals).
          4. Shop Drawings: Show fabrication details and connections to adjacent Work.
          5. Product Data: Manufacturer’s catalog sheets, specifications, and installation instructions for each item specified.
          6. Contract Closeout Submittals:

Operation and Maintenance Data: Deliver 2 copies, covering the installed products, to the Director’s Representative.

Warranty: Copy of specified warranty.

* + - 1. WARRANTY
         1. Manufacturer’s Warranty: Furnish the vehicle lift manufacturer’s printed 5 year warranty for the Work of this Section.

1. PRODUCTS
   * + 1. SURFACE MOUNTED VEHICLE LIFTS
          1. Type 1 - Vehicle Lift: Above ground, twin post, clear floor, electric hydraulic lift equal to Model System 1 as manufactured by Mohawk Resources Ltd., P.O. Box 110, Vrooman Ave., Mohawk Industrial Park, Amsterdam, NY 12010, (518) 842-1431, (800) 833-2006.

Capacity: 9,000 pounds.

Lifting Speed: 45 seconds.

Motor rating: 2 HP, 208V, single phase.

Synchronization: Hydraulic Fluid Displacement.

Minimum Arm Pad Height: 3-1/2 inches.

Lifting Height (Stroke): 6 feet.

Width Between Posts: 10 feet.

Width Between Lifting Arms: 8 feet 9 inches.

Hydraulic Line: Inground.

Mechanical Safety Locks: Automatic, all position, starting at 3 inches off floor.

Hydraulic Safety System: Automatic, all position.

Swing Arm Locks: Automatic locking upon lift.

Carriage Bearings: Eight, 4 inch diameter, (4 per carriage), double sealed self lubricating.

Floor Access Between Posts: Clear and unobstructed.

Frame Adaptors: Stackable, (4) 3 inch and (4) 6 inch.

* + - * 1. Type 2 - Vehicle Lift: Above ground, twin post, clear floor, electric hydraulic lift equal to Model LMF-12 as manufactured by Mohawk Resources Ltd., P.O. Box 110, Vrooman Ave., Mohawk Industrial Park, Amsterdam, NY 12010, (518) 842-1431, (800) 833-2006.

Capacity: 12,000 pounds.

Lifting Speed: 100 seconds.

Motor rating: 2 HP, 208V, single phase.

Synchronization: Hydraulic Fluid Displacement.

Minimum Arm Pad Height: 5 inches.

Lifting Height (Stroke): 6 feet.

Width Between Posts: 10 feet.

Width Between Lifting Arms: 8 feet 9 inches.

Hydraulic Line: Inground.

Mechanical Safety Locks: Automatic, all position, starting at 5 inches off floor.

Hydraulic Safety System: Automatic, all position.

Swing Arm Locks: Automatic locking upon lift.

Drive System: Direct drive, without using cables or chains.

Carriage Bearings: Sixteen, 4 inch diameter, (8 per carriage), double sealed self lubricating.

Floor Access Between Posts: Clear and unobstructed.

Frame Adaptors: Stackable, (4) 5 inch, (4) 7-1/2 inch, and (4) 10 inch.

* + - * 1. Type 3 - Vehicle Lift: Above ground, twin post, clear floor, electric hydraulic lift equal to Model TP-15 as manufactured by Mohawk Resources Ltd., P.O. Box 110, Vrooman Ave., Mohawk Industrial Park, Amsterdam, NY 12010, (518) 842-1431, (800) 833-2006.

Capacity: 15,000 pounds.

Lifting Speed: 100 seconds.

Motor rating: 3 HP, 208-230V, single phase, 3 phase optional.

Synchronization: Hydraulic Fluid Displacement.

Minimum Arm Pad Height: 5 inches.

Lifting Height (Stroke): 6 feet.

Width Between Posts: 10 feet.

Width Between Lifting Arms: 8 feet 9 inches.

Hydraulic Line: Inground.

Mechanical Safety Locks: Automatic, all position, starting at 5 inches off floor.

Hydraulic Safety System: Automatic, all position.

Swing Arm Locks: Automatic locking upon lift.

Drive System: Direct drive, without using cables or chains.

Carriage Bearings: Sixteen, 4 inch diameter, (8 per carriage), double sealed self lubricating.

Floor Access Between Posts: Clear and unobstructed.

Frame Adaptors: Stackable, (4) 5 inch, (4) 7-1/2 inch, and (4) 10 inch.

* + - 1. ANCHOR TIE DOWNS
         1. Anchor Tie Downs: Chain Type, Cast Iron sleeve and slug, Part No. 1001 by Mohawk Resources Ltd.

1. EXECUTION
   * + 1. INSTALLATION
          1. Install the Work of this Section in accordance with the manufacturer’s printed instructions.

END OF SECTION 144501