PART E

SPECIFICATIONS

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GENERAL

E1. GENERAL

E1.1 These Specifications shall apply to the Work.

E2. GOODS

E2.1 The Contractor shall supply and deliver post-surface mobile column lifts (two units per set) with a total lifting weight of 36,000 lbs (Mohawk model MP-18-2-36 **only**) in accordance with the requirements hereinafter specified..

E2.2 The Contractor shall furnish a letter, stamped by a registered professional engineer, indicating that the post surface mobile column lifts comply with CSA Standards.

E2.3 The post-surface mobile column lifts shall be the manufacturer's latest model, as may be modified by these specifications. The lifting devices, shall include all auxiliary equipment, and be furnished complete and ready for use. All parts not specifically mentioned but which are required for the complete unit shall conform in strength, quality of material and workmanship, to the best standards and engineering practice of the industry.

E2.4 The ratings specified herein merely state the minimum values acceptable to the City of Winnipeg, not implying that those values are sufficient for the design of the particular equipment being bid.

E2.5 The Manufacturer shall have in effect a complete and documented quality control program ensuring compliance with all applicable standards.

E2.6 The Manufacturer shall be third party certified by ETL testing laboratory and labelled with the ETL/Automotive Lift Institute (ALI) nameplate, that affirms the lift conformance to all applicable provisions of ANSI / ALI B 153.1 - 1990.

E3. CARRIAGE / COLUMN ASSEMBLIES

E3.1 The lift columns shall have a capacity of 18,000 lbs. per lift; each of the post surface mobile column lift assemblies shall contain a locking latch mechanism, external of the assemblies, for ease of service, which automatically sets in 3" (in) increments after the first 6" (in) of travel, continuing through full rise. The locking latch system shall have a single point release located near the power unit controls for operator convenience. The latch may be spring actuated to automatically reset when the latch handle is released. There shall be no less than twenty (20) locking positions per assembly.

E3.2 The lift column shall be manufactured from structural steel tubes having a thickness of not less than 1/4" (in).

E3.3 The lift column shall contain one 67" stroke direct drive hydraulic cylinder within a full steel enclosure complete with a pressure compensated flow control valve and velocity fuses.

E4. ARM / ADAPTERS ASSEMBLIES

E4.1 Each lift arm assembly shall have an adjustable range of 13" (in) to 24" (in) with a maximum tire diameter of 48" (in) and 31º - degree angle.

E5. POWER UNIT

E5.1 The power unit shall be self-contained with 2 H.P. or 3 H.P. motor, 208/240 V, 3 – phase, to accommodate a lift speed of 60-70 seconds to a full lift.

E6. EQUALIZATION SYSTEM

E6.1 The lift shall be equipped with a control panel system configured for six (6) columns to keep the columns reasonably level at all stages of travel.

E7. PERFORMANCE RELIABILITY

E7.1 The responsibility for the design of the complete lifting device, its performance and reliability shall rest upon the Manufacturer/Contractor.

E7.2 The term “repeated failures” as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the lift device inoperative or requiring repeated shop correction, applicable for said component, subassembly, or assembly. Minor items or ordinary service adjustment are not included, or considered under the scope of “repeated failures”, as well as other factors, such as operational damage due to accidents, misuse or attention by not following the manufacturer’s preventative maintenance schedule.

E7.3 Where the lifting device develops “repeated failures” in servicing, the Contractor shall make any necessary engineering changes, repairs, alterations, or modifications in order to guarantee reliability of performance.

E7.4 The Manufacturer shall supply installation, operation, maintenance and safety instructions with each post surface mobile column lift, containing a section in English.

E7.5 In order to minimize downtime of the lifting device, the Contractor shall maintain a stock of all replacement parts in North America, either in his/her own inventory or in that of an agency that normally supplies parts to the Contractor. The Contractor shall make parts available in Winnipeg, within forty-eight (48) hours.

E7.6 The Contractor shall ensure that the response time by qualified service personnel, on request for service, will be limited to six (6) hours or less.

E7.7 Unless authorized by the Contract Administrator, all warranty issues brought to the attention of the Contractor by the City shall be rectified within forty-eight (48) hours. The City reserves the right to effect warranty repairs to the lifting device at full cost to the Contractor, should the Contractor fail to perform these duties in a timely manner.

E8. TRAINING

E8.1 The Contractor shall if required arrange training for the staff of the City of Winnipeg; training shall cover operation, maintenance, instrumentation and control.

E8.2 The Contractor shall provide the training; the Equipment supplier or his\hers authorized representative who has a good working knowledge of the post surface lifts.

E8.3 The training shall consist of a minimum of four (4) hours for one or two groups of maintenance personnel; the training shall be conducted on a site where practicable.

E8.4 The Contractor, the Equipment supplier or his\hers representative shall provide the necessary course material.

E9. DELIVERY

E9.1 Goods shall be delivered within sixty (60) Calendar Days of the award of Contract, f.o.b. destination, freight prepaid to:

Winnipeg Fire Paramedic Department
2546 McPhillip Street
Winnipeg, MB

E9.2 Goods shall be delivered between 7:30 a.m. and 4:00 p.m. on Business Days.

E9.3 The Contractor shall off-load goods as directed at the delivery location.