SECTION 14240 - HYDRAULIC ELEVATORS

Include the following information into specifications prepared for use on University of Cincinnati projects. This information is supplemental and not intended to be a complete specification.

PART 1 - GENERAL

1.0 QUALITY ASSURANCE

A. Manufacturer Qualifications: In interest of unified responsibility, Elevator Company shall be one regularly engaged in business of manufacturing, installing and servicing elevators of type required by these specifications. Manufacturer shall maintain local sales office with substantial parts department and service personnel.

B. Installer Qualifications: Elevators shall be installed by the elevator manufacturer or an experienced installer working under the manufacturer's direction. Installer shall have a record of successful experience with a record of successful in-service performance. Installer shall have completed an industry approved training program.

1.0 WARRANTY

A. Submit a written warranty, signed by manufacturer agreeing to repair, restore, or replace defective work within specified warranty period.

1. Warranty period is 12 months from date of Substantial Completion unless otherwise indicated.
2. Warranty period for elevator jack and protective casing is 20 years from date of Substantial Completion.

B. The warranty specified in this article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made under the requirements of the Contract Documents.

1.0 MAINTENANCE SERVICE

A. Elevator company shall furnish maintenance and call-back service on elevator after it is completed and placed in operation for period of twelve months.

B. This service shall consist of examinations of equipment, adjustments, lubrication, cleaning, supplies, and parts to keep equipment in proper operation.

C. Work shall be done by trained employees of elevator company during regular working hours.

D. Maintenance service specified shall be part of the construction contract and not an additional cost to the Owner.

PART 2 - PRODUCTS

2. Cylinder Protection

1. Sealed PVC Casing: Provide casings 2" larger than plunger cylinders made from schedule 80 PVC pipe complying with ASTM D 1785, with bottoms of casings sealed with end caps complying with ASTM D2467 and attached with solvent cement complying with ASTM D2564. Provide pressurization port, and evacuation tube and port for detection and removal of unwanted liquids.
2. Underground piping shall be double wrapped with coating designed to protect it from electrolytic and chemical corrosion.

2. Security Monitoring System: Provide cab mounted duress monitor/speaker communication system with push-button activation. System shall be in accordance with Owner's standards. Monitor/speaker unit shall be 7” high by 4-1/2” wide by 2-3/4” deep; verify actual dimensions prior to fabrication. Recess mount monitor/speaker on same wall as control panel; provide perforated stainless steel protective cover flush with, and of same finish as, control panel. Coordinate requirements for tie in to Owner's security system.

PART 3 - EXECUTION

3. DEMONSTRATION

A. Instruct building maintenance personnel in proper use, operation and daily maintenance of elevator. Review emergency provisions, including emergency access and procedures to be followed in the event of an operation failure in operation and other building emergencies.

END OF SECTION