14 00 00 - CONVEYING EQUIPMENT

14 00 00 General Information

Architects and Engineers are responsible for proper selection of materials in each building system for specific projects; these standards do not relieve the designer from that responsibility.

Reference Standards:

14 24 00 Hydraulic Elevators

Hydraulic Passenger Elevators.

Warranty and Maintenance

1 year special warranty and 1 year maintenance service agreement.

Products:

Otis Elevator Co. – Model LVM3500T (Basis of Design).

Battery-Powered Lowering: When power fails, cars are lowered to the lowest floor, open their doors, and shut down. System includes rechargeable battery and automatic recharging system.

Flood Protection: Provide float switch to send elevator from First Floor to Second Floor in the event of flooding.

Car Control Stations: manufacturer's standard. Include call buttons for each landing served and other buttons, switches, and controls required for specified car operation. Mark buttons and switches with manufacturer's standard identification for required use or function that complies with ASME A17.1. Mount controls at heights complying with ICC A117.1.

Emergency Communication System: Provide system that complies with ASME A17.1 and the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines (ADAAG)."

Fire Department Communication System: Provide flush-mounted cabinet in each car and required conductors in traveling cable for fire department communication system.

Car Position Indicator: provide illuminated-signal type, digital-display type, or segmented type, located above car door or above car control station. Also provide audible signal to indicate to passengers that car is either stopping at or passing each of the floors served. Include travel direction arrows if not provided in car control station.

Hall Push-Button Stations: Provide hall push-button stations at each landing for each elevator or group of elevators as indicated. Provide units with direction-indicating buttons; two buttons at intermediate landings; one button at terminal landings.

Hall Lanterns: Provide units in elevator door frame with illuminated arrows, but provide single arrow at terminal landings.
PASSENGER ELEVATORS

Holeless, telescoping, beside-the-car, single cylinder. Microprocessor single car automatic operation with onboard diagnostic capabilities.

3500 lb.
125 fpm.

Car Enclosures: Standard enameled-steel car enclosures with removable wall panels, suspended ceiling, trim, accessories, access doors, doors, power door operators, sills (thresholds), lighting, and ventilation.

- Front Walls: Satin stainless steel with integral car door frames.
- Car Fixtures: Satin stainless steel.
- Side and Rear Wall Panels: Plastic laminate.
- Door Faces (Interior): Satin stainless steel.
- Door Sills: Aluminum.
- Ceiling: Satin stainless steel.
- Handrails: Satin stainless steel, at side and rear walls.

Hoistway Entrances: Standard horizontal-sliding, door-and-frame hoistway entrances complete with track systems, hardware, sills, and accessories. Provide frame size and profile to coordinate with hoistway wall construction.

- Type: Single-speed side sliding.
- Doors and Frames: Satin stainless steel.
- Sills: Extruded aluminum, with grooved surface, 1/4 inch thick.
- Hall Fixtures: Satin stainless steel.

Additional Requirements: As follows:

- Provide inspection certificate holder with satin stainless-steel frame.
- Provide protective blanket hooks in all four cars and one complete set of full-height blankets.