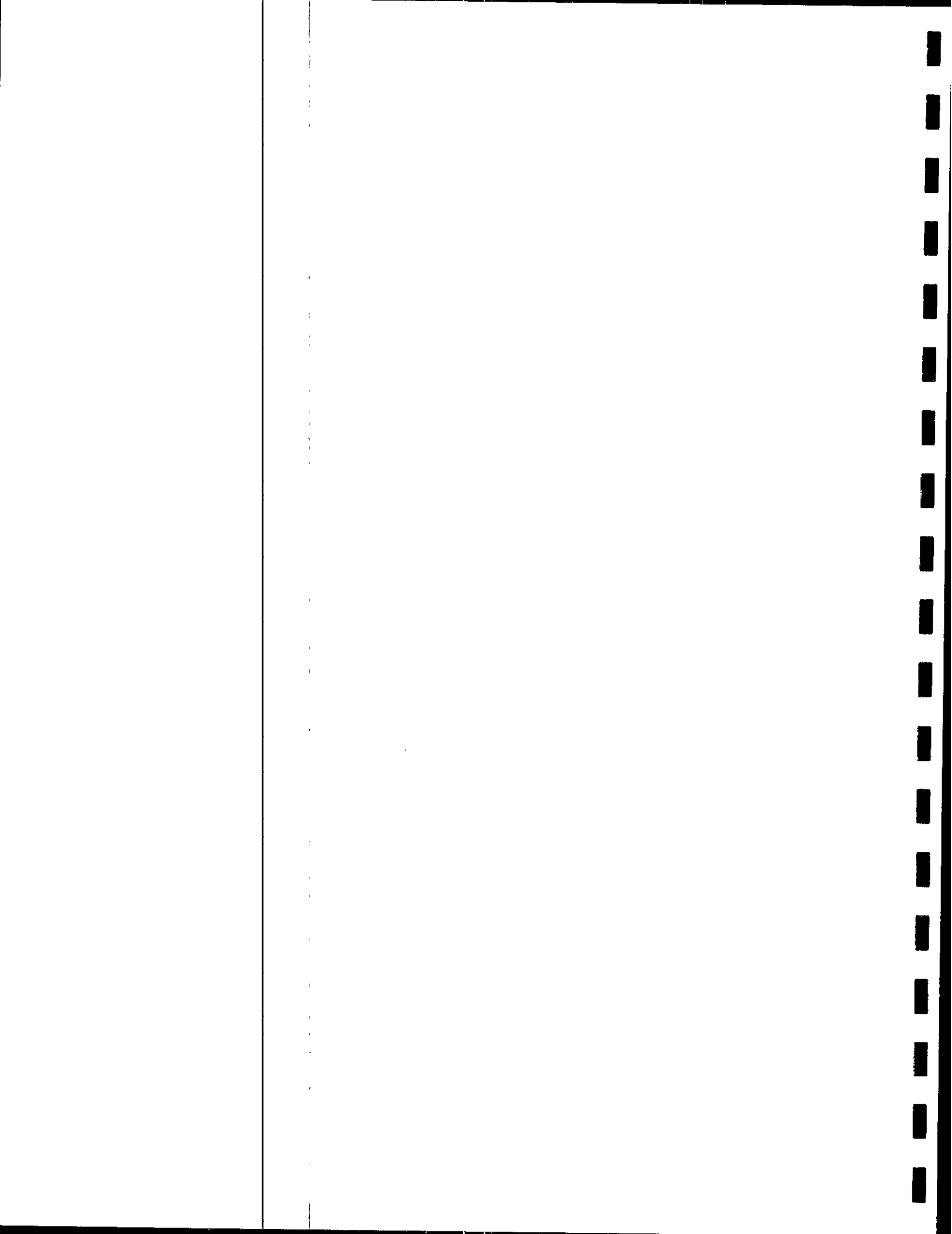


Division 14
Conveying Equipment



SECTION 14240 - HYDRAULIC ELEVATORS

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide pre-engineered hydraulic elevators.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Shop Drawings: Submit shop drawings indicating material characteristics, details of construction, connections, and relationship with adjacent construction.
 - 1. Shop drawings shall be prepared and stamped by a qualified engineer licensed in the jurisdiction of the project.
- C. Samples: Submit two representative samples of each material specified indicating visual characteristics and finish. Include range samples if variation of finish is anticipated.
- D. Warranty: Submit manufacturer's standard warranty. Include labor and materials to repair or replace defective materials.
- E. Operation and Maintenance Data: Submit manufacturer's operation and maintenance data, including operating instructions, list of spare parts and maintenance schedule.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Safety Code: ASME/ANSI A17.1 and local regulations.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Manufacturers: Kone, Otis Elevator, Schindler Elevator, or ThyssenKrupp Elevator,

approved equal.

B. Features and Components:

1. Type: Single-acting plunger-cylinder hydraulic unit.
2. Control Systems: Multiple elevator controls.
3. Hoistway Finishes: Stainless steel, No. 4 satin finish.
4. Cab Door Finish: Stainless steel, No. 4 satin finish.
5. Cab Wall Finishes: Plastic laminate.
6. Cab Floor: Stone tile.
7. Cab Finishes: Plastic laminate and vinyl tile.

C. Auxiliary Operations and Controls:

1. Key controlled car light switch and fan switch.
2. Alarm/emergency stop button.
3. Car position and direction indicators.
4. Audible signals.
5. Automatic 2-way leveling.
6. Door nudging device.
7. Liner blanket hooks and blankets.
8. Emergency power operation.
9. Fireman's switch.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- B. Restore damaged finishes and test for proper operation. Clean and protect work from damage.

3.2 SCHEDULE

A. Hydraulic Elevator Schedule:

1. Capacity: 3000 pounds.
2. Speed: 125 feet per minute.
3. Car Size: 6'8" wide by 7'-4" deep by 7'-0" high.
4. Landings Served: 4
5. Travel Distance: 31'-9".
6. Entrance Size: 3'-6" by 7'0".
7. Entrance Door Operation: Side opening.

8. Power Supply: 208 volt, 3 phase, 60 Hz.

END OF SECTION



SECTION 14560 - CHUTES

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide the following:
 - 1. Rubbish chutes.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Shop Drawings: Submit shop drawings indicating material characteristics, details of construction, connections, and relationship with adjacent construction.
- C. Operation and Maintenance Data: Submit manufacturer's operation and maintenance data, including operating instructions, list of spare parts and maintenance schedule.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Standards: ANSI/NFPA 82 and local regulations.

1.4 WARRANTY:

- A. Manufacturer's warranty, furnish one year warranty from date of Certificate of Occupancy. Warranty shall apply to defects in product material and workmanship.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Manufacturers: Cutler Manufacturing Corp., Midland Metalcraft, Wilkinson Company, or approved equal.

B. Chutes:

1. Type: Rubbish chutes.
2. Chute Diameter:
 - a. 24 inches
3. Chute Metal: Stainless steel.
4. Chute Intake Door and Frame: UL labeled, stainless steel, satin finish.

C. Accessories:

1. Fire Sprinklers.
2. Foot operated intake doors.
3. Baffle.
4. Flushing sanitizing unit.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- B. Restore damaged finishes and test for proper operation. Clean and protect work from damage.

END OF SECTION