# SPECIFICATIONS

*These Items Must Be Considered By Purchaser*

**The purchaser must provide the following in accordance with ANSI A17.1 code requirements or local code requirements, whichever are more stringent.**

## HOISTWAY AND PIT

1. A clear hoistway of the dimensions shown, plumb to within 1".
2. Venting of hoistway as required by code.
3. A dry pit, reinforced to sustain vertical loads as shown.
4. A 30" square hole is to be left in the pit floor, if required for jack installation, and is to be grouted in by others after jack unit is installed.
5. A pit ladder for each elevator of non-combustible material, constructed and installed in accordance with code, and extending from pit floor to 42'' above sill of lowest hoistway door.
6. Adequate supports for guide rail brackets, to support horizontal loads as shown. Support locations must not exceed spacing as required by code, and as shown. When maximum spacing is exceeded, rail reinforcement, or additional supports must be provided at purchaser's expense.
7. Guide rail support locations must be steel, brick, concrete, or filled concrete block. If inserts are furnished, these are to be installed by others, in locations shown, as walls are erected. If rail brackets are attached to steel beams, fire-proofing is to be applied AFTER rail brackets are installed.
8. Projections or recesses in the hoistway of 2" or more, on sides not used for loading or unloading, shall be beveled at an angle not less than 75° from the horizontal.
9. A hoist beam, hook, or eyebolt shall be furnished at the top of the hoistway, located on centerline of car and guides – designed for load capacity of # min.
10. Entrance walls accepting passenger type entrances are to be erected (or rough opening as shown filled in) after door frames and sills are installed.
11. A suitable sill support and recess as shown, full width of the hoistway, grouted by others after door sills are installed.
12. Door frames and sills for freight type elevator doors, set square with hoistway and plumb above each other. Door frames to be of sufficient strength to carry loads imposed, and side jambs shall extend to beam above with 2" min. return in hoistway on each side (see door drawings).
13. Required sleeves in hoistway wall, or any trenching and filling, for oil line and wiring duct for each elevator, as shown.
14. Any cutting and patching of building construction required to install signal fixtures, or other elevator apparatus, and any repairs, grouting, patching, or painting made necessary by same.
15. Barricades as may be required during construction.

## MACHINE ROOM

16. A machine room properly lighted and ventilated per code requirements with temperature maintained between 65°-95°. Door of size to permit access for hydraulic machine, to be self closing and locking, but openable from inside without key.

## ELECTRICAL

All electrical in accordance with ANSI and NEC.

17. A fused disconnect switch for each elevator, of ample capacity, with wiring to the elevator motor starter control. Disconnecting means shall disconnect the normal power supply as well as emergency supply, when provided.
18. Light and switch in elevator machine room, with switch located adjacent to access door. Convenience outlet in machine room.
19. Light, switch and convenience outlet in elevator pit, light switch accessible from lower landing opening. Install light to clear elevator car.
20. Suitable 110V service in the hoistway, midway of travel (see layout) or connected to terminals in elevator controller for car light service (elevator contractors option).
21. Heat, and product of combustion sensors located in each elevator lobby with necessary wiring to elevator control panel, when fire service is specified.
22. Telephone instrument in elevator car, and wiring from building source to elevator control panel.
23. Furnishing of any special intercom, paging, or television systems, including wiring from building source to elevator control panel.
24. Necessary power for installing, erecting, and testing, without charge.
25. Any features or equipment required, but not specifically specified as being furnished by elevator contractor.
26. A safe and dry space to store elevator equipment and tools before and during construction.

## SUBMERSIBLE

| LOW FLOW SUBMERSIBLE ELEVATOR MOTOR RATINGS | | | | |
|---|---|---|---|---|
| | HP | VOLTS | FLA | LRA[1] |
| SINGLE PHASE | 3 | 208-230 | 20.0-16.4 | 74 |
| | 5 | 208-230 | 23.4-21.0 | 104 |
| | 7.5 | 208-230 | 32.6-30.0 | 174 |
| | 10 | 208-230 | 43.0-40.0 | 237 |
| THREE PHASE | 5 | 208 | 14 | 48.25 |
| | 5 | 230/460 | 13.0/6.5 | 42.00 |
| | 7.5 | 208 | 21.5 | 66.25 |
| | 7.5 | 230/460 | 20.0/10.0 | 57.00 |
| | 10 | 208 | 26 | 86.50 |
| | 10 | 230/460 | 24.0/12.0 | 78.00 |

| STANDARD SUBMERSIBLE ELEVATOR MOTOR RATINGS | | | | |
|---|---|---|---|---|
| | HP | VOLTS | FLA | LRA[1] |
| THREE PHASE | 15 | 200 | 46 | 241 |
| | 15 | 230 | 40 | 210 |
| | 15 | 460 | 20 | 105 |
| | 15 | 575 | 16 | 84 |
| | 20 | 200 | 60 | 299 |
| | 20 | 230 | 52 | 260 |
| | 20 | 460 | 26 | 130 |
| | 20 | 575 | 21 | 104 |
| | 25 | 200 | 75 | 380 |
| | 25 | 230 | 66 | 330 |
| | 25 | 460 | 33 | 165 |
| | 25 | 575 | 27 | 132 |
| | 30 | 200 | 85 | 494 |
| | 30 | 230 | 74 | 430 |
| | 30 | 460 | 37 | 215 |
| | 30 | 575 | 29.6 | 172 |
| | 40 | 200 | 112 | 644 |
| | 40 | 230 | 98 | 560 |
| | 40 | 460 | 49 | 280 |
| | 40 | 575 | 40 | 224 |
| | 50 | 200 | 133 | 748 |
| | 50 | 230 | 116 | 650 |
| | 50 | 460 | 58 | 325 |
| | 50 | 575 | 46.5 | 260 |
| | 60 | 230 | 140 | 720 |
| | 60 | 460 | 70 | 360 |
| | 60 | 575 | 56 | 288 |
| | 75 | 230 | 178 | 840 |
| | 75 | 460 | 89 | 420 |
| | 75 | 575 | 71.5 | 336 |

[1]Across the line; single phase at 230 volt, three phase at 460 volt.

## BELT DRIVE

| BELT DRIVE MOTOR RATINGS | | | |
|---|---|---|---|
| HP | VOLTS | FLA | LRA |
| 5 | 200 | 16 | 104 |
| 5 | 230/460 | 14.4/7.2 | 45 |
| 7.5 | 200 | 23 | 122 |
| 7.5 | 230/460 | 20/10 | 53 |
| 10 | 200 | 30 | 194 |
| 10 | 230/460 | 26/13 | 84 |
| 15 | 200 | 44 | 279 |
| 15 | 230/460 | 38/19 | 121 |
| 20 | 200 | 57 | 333 |
| 20 | 230/460 | 50/25 | 145 |
| 25 | 200 | 70 | 438 |
| 25 | 230/460 | 62/31 | 190 |
| 30 | 200 | 82 | 500 |
| 30 | 230/460 | 72/36 | 217 |
| 40 | 200 | 108 | 702 |
| 40 | 230/460 | 94/47 | 305 |
| 50 | 200 | 149 | 1035 |
| 50 | 230/460 | 130/65 | 448 |
| 60 | 200 | 165 | 1325 |
| 60 | 230/460 | 144/72 | 576 |
| 75 | 200 | 200 | 1385 |
| 75 | 230 | 180 | 1200 |
| 75 | 460 | 90 | 600 |
| 100 | 460 | 113 | 690 |

For dual voltage ratings LRA are given for 460 voltage.

LRA are given for across the line starting. Starting amps are .33 times LRA when starting on wye start – delta run. (Typical data)

CANTON ELEVATOR INCORPORATED
2575 GREENSBURG ROAD • NORTH CANTON, OH 44647 • PH. 330-833-3600 FAX 330-833-0229
E-Mail info@CantonElevator.com
VISIT OUR WEB SITE
http://www.CantonElevator.com