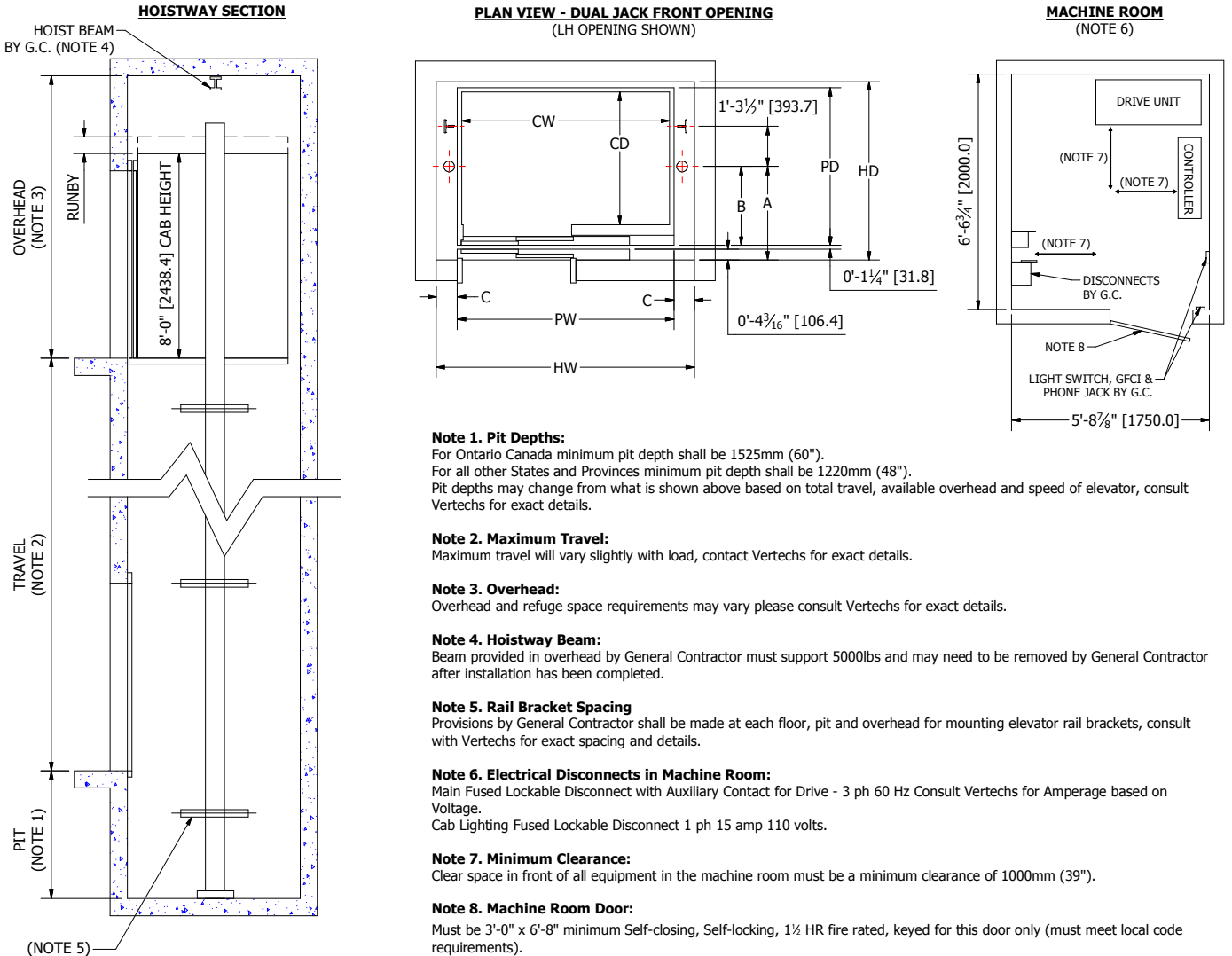


VERTECHS EDGE™ - COMMERCIAL

FRONT OPENING CONFIGURATION

STANDARD NOMINAL SPEEDS ft/min (m/s): 75 (0.37), 100 (0.50), 125 (0.62), 150 (0.75)

MAXIMUM OPENINGS: 7 FRONT



Note 1. Pit Depths:

For Ontario Canada minimum pit depth shall be 1525mm (60").

For all other States and Provinces minimum pit depth shall be 1220mm (48").

Pit depths may change from what is shown above based on total travel, available overhead and speed of elevator, consult Vertechs for exact details.

Note 2. Maximum Travel:

Maximum travel will vary slightly with load, contact Vertechs for exact details.

Note 3. Overhead:

Overhead and refuge space requirements may vary please consult Vertechs for exact details.

Note 4. Hoistway Beam:

Beam provided in overhead by General Contractor must support 5000lbs and may need to be removed by General Contractor after installation has been completed.

Note 5. Rail Bracket Spacing

Provisions by General Contractor shall be made at each floor, pit and overhead for mounting elevator rail brackets, consult with Vertechs for exact spacing and details.

Note 6. Electrical Disconnects in Machine Room:

Main Fused Lockable Disconnect with Auxilliary Contact for Drive - 3 ph 60 Hz Consult Vertechs for Amperage based on Voltage.

Cab Lighting Fused Lockable Disconnect 1 ph 15 amp 110 volts.

Note 7. Minimum Clearance:

Clear space in front of all equipment in the machine room must be a minimum clearance of 1000mm (39").

Note 8. Machine Room Door:

Must be 3'-0" x 6'-8" minimum Self-closing, Self-locking, 1 1/2 HR fire rated, keyed for this door only (must meet local code requirements).

| Dimensions | | | | | | | | | | | |
|------------------|---------------------|----------------------|----------------------------------|--------------------------------|--------------------------------|---------------------------------|----------------------|--------------------|-----------------|------------------|----------------------|
| Capacity | Max Travel (NOTE 2) | Opening Type | Opening Width x Height | Platform Size Width x Depth | Clear Cab Inside Width x Depth | Hoistway Width x Depth | A | B | C | D | E |
| lbs (kg) | ft.in. (mm) | 2SSO | ft.in. (mm) | ft.in. (mm) | ft.in. (mm) | ft.in. (mm) | ft.in. (mm) | ft.in. (mm) | ft.in. (mm) | ft.in. (mm) | ft.in. (mm) |
| | | (2 SPEED SIDE SLIDE) | OW x OH | PW x PD | CW x CD | HW x HD | | | | | |
| 2100lb (952) | 53'-0" (16154) | 2SSO | 3'-0" x 7'-5/8" (914 x 2149) | 6'-0" x 5'-1" (1828 x 1549) | 5'-9" x 4'-3" (1740 x 1295) | 7'-4" x 5'-9" (2235 x 1753) | 2'-10 1/2" (876) | 2'-6 1/2" (775) | 8 3/4" (222) | 10 1/8" (257) | 3'-5 7/8" (1064) |
| 2500lb (1134) | 51'-0" (15545) | 2SSO | 3'-6" x 7'-5/8" (1067 x 2149) | 7'-0" x 5'-1" (2134 x 1549) | 6'-9" x 4'-3" (2057 x 1295) | 8'-4" x 5'-9" (2540 x 1753) | 3'-3/16" (919) | 2'-6 1/2" (775) | 8 3/4" (222) | 10 1/8" (257) | 3'-11 7/8" (1216) |
| 3000lb (1361) | 48'-0" (14630) | 2SSO | 3'-6" x 7'-5/8" (1067 x 2149) | 7'-0" x 5'-7" (2134 x 1702) | 6'-9" x 4'-9" (2057 x 1448) | 8'-4" x 6'-3" (2540 x 1905) | 3'-3 3/16" (995) | 2'-9 1/2" (851) | 8 3/4" (222) | 10 1/8" (257) | 3'-11 7/8" (1216) |
| 3500lb (1588) | 46'-0" (14021) | 2SSO | 3'-6" x 7'-5/8" (1067 x 2149) | 7'-0" x 6'-3" (2134 x 1905) | 6'-9" x 5'-5" (2057 x 1651) | 8'-4" x 6'-11" (2540 x 2108) | 3'-7 3/16" (1097) | 3'-1 1/2" (952) | 8 3/4" (222) | 10 1/8" (257) | 3'-11 7/8" (1216) |

INFORMATION IS SUBJECT TO CHANGE, CONSULT YOUR LOCAL VERTECHS SALES AGENT

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FRONT OPENING CONFIGURATION

STANDARD NOMINAL SPEEDS ft/min (m/s): 75 (0.37), 100 (0.50), 125 (0.62), 150 (0.75)

MAXIMUM OPENINGS: 7 FRONT

Requirements

Vertechs provides full drawing/engineering support for onsite construction trades in support of an accurate and efficient on time delivery of the elevator. The following lists all work to be completed by the construction trades in supporting the elevator installation.

WORK BY OTHERS (work not completed by the elevator company)

ELEVATOR PIT

1. Pit size w x d and depth of pit shall be constructed as shown on the Vertechs Elevator Layout Drawings.
2. Pit shall be clean, free of catch points and dry.
3. Pit Floor must be able to support loads indicated on the Vertechs Elevator Layout Drawings.
4. Pit Floor shall be level with slight grade to pit drain.
5. Pit Floor drain shall be located as shown on Vertechs Elevator Layout Drawings.
6. Sump Pump shall not be installed in Pit.
7. Pit walls shall be square and plumb as detailed on Vertechs Elevator Layout Drawings.
8. One set of masonry wall inserts (2) supplied by Vertechs shall be cast into pit walls as detailed on the Vertechs Elevator Layout Drawings.

ELEVATOR HOISTWAY (SHAFT)

9. Hoistway w x d will be as shown on Vertechs Elevator Layout Drawings (same size as pit no ledges).
10. Clear, plumb and square hoistway as per the Vertechs Elevator Layout Drawings.
11. Hoistway to be 1 1/2 hour fire rated or fire rated to that required by applicable local codes.
12. Hoisting beam shall be provided and installed in overhead as per Vertechs Elevator Layout Drawings. If sufficient overhead is not provided General Contractor will need to remove the beam after elevator installation has been completed.
13. Overhead (top terminal landing to underside of steel hoisting beam) shall be as per Vertechs Elevator Layout Drawing.
14. Termination of hoistway at ceiling (roof) will be adequately fire caulked prior to elevator installation starting.
15. Masonry wall inserts supplied by Vertechs shall be cast into hoistway (shaft) wall as detailed on Vertechs Elevator Layout Drawing and must support loads indicated.
16. Wood/Drywall hoistway (shaft) adequate wall supports shall be provided as detailed on Vertechs Elevator Layout Drawing and must support loads indicated.
17. 2 - 4" PVC Sleeves to be cast into hoistway (shaft) through to machine room as detailed on Vertechs Elevator Layout Drawings.
18. For multiplex (more than one elevator in the hoistway (shaft)) arrangements, Divider Beams shall be installed as detailed on Vertechs Elevator Layout Drawing.
19. Any services unrelated to the elevator will not be permitted in the hoistway (shaft).
20. Hoistway (shaft) shall be vented as needed by national and local codes.
21. Removable Barricades at each landing shall be supplied and fitted as detailed on Vertechs Elevator Layout Drawing.
22. Appropriate recesses/knock outs and or supports shall be provided for Hall Fixtures as detailed on Vertechs Elevator Layout Drawings.
23. Provide and install pit ladder as per Vertechs Elevator Layout Drawings. Contact Vertechs for arranging supply of Code Compliant Pit Ladder.
24. Rough Openings width and height at each landing shall be exactly as detailed on Vertechs Elevator Layout Drawings.
25. Adequate provisions shall be provided for mounting the elevator entrance door and landing sill supports at each floor as detailed on the Vertechs Elevator Layout Drawings.
26. Finished floor at each landing entrance shall be completed after elevator has been installed.

ELEVATOR LANDING ENTRANCES TYPE DRYWALL/SHEET ROCK OR MASONRY

27. Finishing entrance walls by others to the elevator landing door entrance shall be completed as detailed on the Vertechs Elevator Layout Drawings so as to maintain the fire rating of the entrance.
28. Finishing entrance walls shall be completed only after elevator installation has been completed.
29. Hall Fixtures shall be fitted by others when entrance wall is being finished.

MACHINE ROOM

30. Machine Room shall be sized and located relative to the hoistway (shaft) exactly as per the Vertechs Elevator Layout Drawings.
31. Machine Room shall be 1 ½ hour fire rated or as per the local codes.
32. Only those services directly related to the elevator shall be permitted in the Elevator Machine Room.
33. Machine Room swing door shall be 1 ½ hour UL fire rated or fire rated as per the local codes having authority. Size, hand and swing of door shall be as detailed on the Vertechs Elevator Layout Drawings. Door shall be self closing, self locking and keyed for this door only. Swing path of door if opening into the machine room cannot impede the required clearance of 39" (1 m) in front of the drive, electrical disconnects and Elevator Controller.
34. Security lock box shall be provided and located outside the Machine Room to house the machine room door key, the elevator service keys and elevator landing door key for use by Elevator Mechanic. For access by emergency personnel local codes shall prevail.

35. Provisions (large PVC conduit and access) shall be provided for running elevator electrical lines and fluid feed lines for machine rooms remotely located (not attached to hoistway) as per the Vertechs Elevator Layout Drawings.
36. Provisions shall be made to heat, cool, vent and maintain humidity in Machine Room. Machine Room temperature shall be maintained between 55 °f (13 °c) and 90 °f (32 °c). Relative humidity shall be maintained at 5-80% non-condensing.
37. Two 4" PVC liners shall be cast in wall to hoistway (shaft) as per Vertechs Elevator Layout Drawings for electrical harnesses and fluid feed lines.
38. Lowest point in machine room cannot be less than 84" (2134 mm).

MACHINE ROOM ELECTRICAL

39. Machine Room lighting shall be guarded and adequately sized to provide 200 lx (19 fc) at floor level.
40. Machine Room light switch shall be located just inside machine room on swing door strike jamb side wall. Light switch cannot be motion sensor activated and cannot be timed to turn off.
41. Main Line (3 phase) Fused Lockable Disconnect with auxiliary contact and 110 volt 15 amp Fused Lockable Disconnect for Cab Lighting and Fan shall be supplied and installed exactly as detailed on Vertechs Elevator Layout Drawings.
42. Upon installation of Elevator Controller in Machine Room electrical contractor will be required to run electrical lines, main, auxiliary and lighting from the disconnects to the Elevator Controller.
43. If wall mounted air conditioning unit is to be used it is not permitted to install this unit above the Elevator Controller, Elevator Drive Unit or the Electrical Disconnects.
44. Telephone jack to be located in Machine Room as per Vertechs Elevator Layout Drawings.
45. Clearance in front of the Drive, Controller and Electrical Disconnects in the machine room must be greater than 39" (1000mm).
46. Access to the machine room is limited to the elevator mechanic and authorized emergency personnel only.
47. GFCI Receptacle shall be supplied and located as per Elevator Drawing supplied by Vertechs.
48. Electrical Conduit runs inside machine room must be run in areas shown on Vertechs Elevator Layout Drawings.
49. All electrical inside machine room must be completed prior to elevator installation starting.

HOISTWAY (SHAFT) ELECTRICAL

50. Electrical Conduit runs inside hoistway (shaft) must be made exactly as shown on Vertechs Elevator Layout Drawings.
51. Pit light switch, pit light and GFCI shall be supplied and mounted in pit exactly as shown on Vertechs Elevator Layout Drawings and provide 100 lx (10 fc) at the pit floor.

SPRINKLERS

52. Sprinkler heads and feed pipe run to sprinkler heads in hoistway (shaft) shall be located as per Vertechs Elevator Layout Drawing.
53. Sprinkler heads and feed pipe run to sprinkler heads in machine room shall be located as per Vertechs Elevator Layout Drawings.
54. Sprinkler heads or sprinkler pipe fittings in machine room cannot be located over any electrical devices.
55. Sprinkler piping and fitting of sprinkler heads shall be completed prior to elevator installation starting.

FIRE DETECTION DEVICES

56. Smoke, heat detectors and conduit to these devices shall be located in machine room as detailed on Vertechs Elevator Layout Drawings.
57. Smoke, heat detectors and conduit to these devices shall be located in hoistway (shaft) as detailed on Vertechs Elevator Layout Drawings.
58. N/O dry contacts to be run back to the machine room controller from the; (a) Main Floor, (b) Remaining Floors in parallel, (c) Hoistway [shaft], (d) Pit, (e) Machine Room; as required, in 18ga twisted pair's and labeled accordingly.
59. Provide means to automatically remove Main Line Power (shunt trip) when Machine Room or Hoistway sprinklers have been activated, where required by local codes.

For further information, please visit:

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