



Home Elevators Direct, LLC
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 For Quote: Sales@homeelevatorsdirect.net

The following "Work by Others" is required to be completed prior to the elevator installation:

Hoistway: Provide a totally enclosed square, plumb and legal hoistway with no setbacks or ledges greater than 2" wide. Hoistway construction shall comply with all applicable codes. The required minimum pit depth is 8" and the footprint of the pit is to be the same as the clear hoistway dimension. The rail blocking is to be installed per HED Standard Blocking Drawing. The inside walls of the hoistway are required to be lined. Plywood is preferred if local codes permit. All hoistway plans are available at www.homeelevatorsdirect.net.

Pit: The elevator pit is required to be 8" deep measured from the lowest landing threshold to the top side of the pit floor. The pit is to be designed to withstand a maximum load of 3580 pounds. The pit floor is required to be level and with a smooth finish.

Overhead: The minimum clear, finished overhead requirement is 8'-0" for a standard (6'-10") height cab; 9'-0" required for an 8' cab. The clear, finished overhead dimension is defined as the distance from the topside of the top floor landing threshold to the underside of the ceiling of the shaft or the lowest point extending down from the ceiling.

Landing Doors: The GC/owner is required to provide **solid core** landing doors (1-3/4" thick recommended) complete with all related hardware at each landing. The doors are to be positioned as indicated in the respective Home Elevator Direct (HED) plan view drawings. All landing doors are required to be plumb and square to each other from floor-floor. The wall(s) of the hoistway that the doors are to be installed **SHALL** be of 2" x 4" construction. Regardless of the construction ALL doors shall be recessed to comply with the clearance requirements outlined in ANSI-A17.1-2000, Rule 5.3.1.7.2. (aka 3 x 5 rule). The code requires that the distance from the back side of the landing door in the closed position to the hoistway edge of the landing sill (flooring and /or threshold) is no to exceed 3". In addition, the distance from the backside of the landing door in the closed position to the elevator car gate in the closed position is not to exceed 5". Please refer to HED - 3" x 5" Plan View Drawing. **THE ELEVATOR CANNOT BE PUT INTO OPERATION UNTIL ALL DOORS ARE IN COMPLIANCE.**

Protection: The GC/owner is required to provide barricades and /or any other approved system to prevent access into the shaft. The purpose of the barricade is to provide protection of all workers and/or occupants until the landing doors are installed. Barricades are required to be provided at each landing up until the time that the **solid core** landing doors are installed.

Blocking, Wood Frame Construction: The GC/owner is required to provide a minimum of (2) sets or two - 2" x 12" yellow pine studs sandwiched together and capped with 2" x 4" studs on each side running vertically the entire height of the shaft per the HED - Standard Blocking Drawing. The blocking **SHALL** be built and installed per the HED - Engineered Blocking Drawing as a minimum. The blocking should be located per the respective HED - Plan View Drawing. If needed, Home Elevators Direct offers an alternative Horizontal Blocking scheme. See HED - Horizontal Blocking scheme, please not if the blocking is surface mounted to the framing studs the elevator platform size will be reduced by 3" in one direction or the other depending on which wall is the rail wall.

Blocking, Concrete Construction: The GC/owner is required to pour all cells of the blocks within the entire rail wall. An alternative method would be to have the masonry contractor install rail bracket inserts per HED - Horizontal Blocking Drawing. The GC/owner is required to provide all knockouts for the hydraulic piping and/or hall stations at each level. All patching, grouting, caulking and/or painting required after the installation is the responsibility of others.

Machine Room: An enclosed, legal machine room located adjacent to the elevator shaft at any floor shall be provided by the GC/owner. The machine room shall be sized and built per the HED - Standard Machine Room layout. An alternate machine room layout, if acceptable per local code, can be provided see the HED - Alternate Machine Room layout drawing for sizing and location of equipment. When determining the machine room locations please consider any flood plain requirements. If the machine room is located in the attic a permanent code compliant means of access shall be required to access the attic space. Once in the attic space a solid, 2' wide catwalk shall be provided to the area in which the equipment will be installed. In addition, a minimum area of 4' x 4' shall be decked over with plywood sized to withstand the loads (700#) based on the weight of the equipment and personnel. Clear head heights should be considered when determining attic locations as HED requires 60" minimum head height for accessibility for installation and servicing of the equipment. Note: If the machine room cannot be adjacent to the elevator shaft please consult with HED Distributor to coordinate the installation of the required remote hydraulic and electrical lines.

Electrical: Provide one (1) - 230 Volt, single phase, 60 hertz, 30 Amp dedicated circuit with fused disconnect (see below for recommended disconnects) and auxiliary contacts, per elevator. Provide a minimum of a 10/3 romex with a ground for the main power feed. In addition, provide a dedicated 120 Volt, 15 Amp circuit with a single pole circuit breaker or fused disconnect for the cab lighting. Connection of both of these circuits to the elevator controller is the responsibility of the electrical sub-contractor. GC/owner is also required to provide a telephone line to the elevator machine room. Leave a minimum of 15' of extra phone line in a 4" x 4" electrical box located in the elevator machine room/area. GC/owner is to provide adequate lighting and switch for the machine room space. A GFCI outlet is required to be provided in the machine room per National Electrical Code (NEC).

- Cutler-Hammer- DH221NGK- 240VAC Fused Disconnect
DS200EK1- Auxiliary Contact Kit for disconnect listed above.
- General Electric- TH3221-240VAC Fused Disconnect
THAUX21D- Auxiliary Contact Kit for disconnect listed above.
- Siemens Electric- HF221N- 240VAC Fused Disconnect
HA161234- Auxiliary Contact Kit for disconnect listed above.
- Square "D"- H221N- 240VAC Fused Disconnect
EIK031- Auxiliry Contact Kit for disconnect listed above.

www.HomeElevatorsDirect.net



Seamless Installation with Attractively Disguised Results

Non Proprietary Elevators At a Very Affordable Price.
 Home Elevators Direct, with over 35 years experience is dedicated to it's customers by providing superior non proprietary elevators and personalized, one on one support.

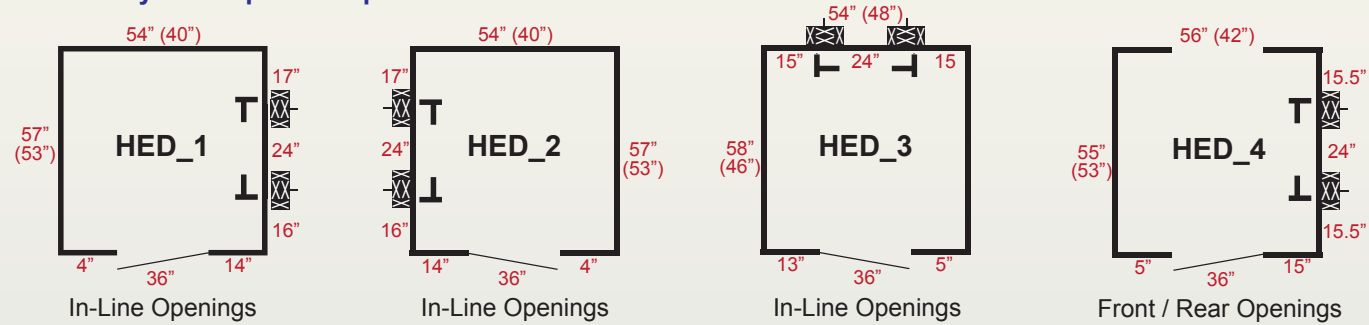
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OUR GUARANTEE

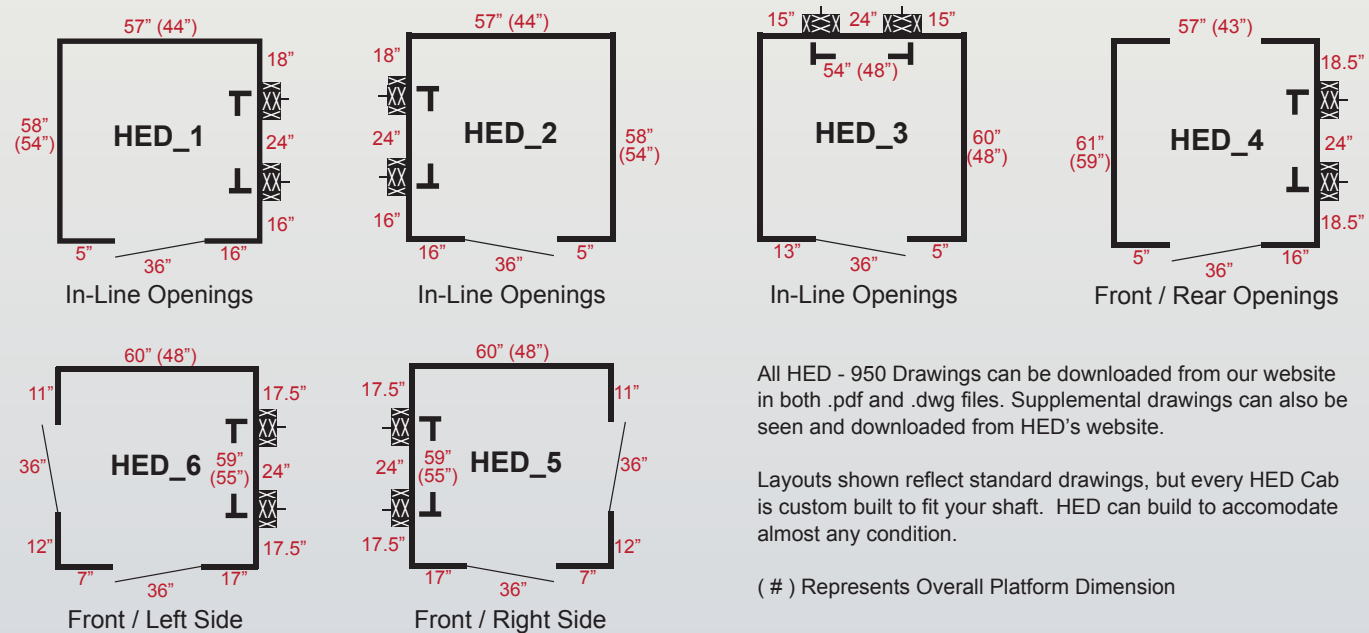
Home Elevators Direct, LLC (HED) offers over thirty-five years of experience in the commercial and residential elevator industry. We are unique - we treat each and every customer as our only customer. If you are a homeowner, builder, developer, designer, architect or industry associate - Home Elevators Direct ensures that we will provide a superior product and oversee your project through completion at a very affordable price. We have developed a cohesive team of professionals that are the best in the industry with a track record of success with both new and retrofit projects.

HED - 950 DRAWINGS

Standard Layouts: Up to 13 sq. ft.



Oversized Layouts: 13 - 15 sq. ft.



All HED - 950 Drawings can be downloaded from our website in both .pdf and .dwg files. Supplemental drawings can also be seen and downloaded from HED's website.

Layouts shown reflect standard drawings, but every HED Cab is custom built to fit your shaft. HED can build to accommodate almost any condition.

(#) Represents Overall Platform Dimension

STANDARD FEATURES

Warranty: Standard two (2) year manufacturer's parts warranty

Lead Times: (72) business hours based on ALL standard features. Any job with non-standard features allow (2-3) week minimum lead time.

Capacity: 950 Pound maximum per ASME/ANSI A17.1, 5.3

Travel: Based on actual job conditions with a maximum travel of up to 50'-0" from the lowest landings' finished floor level to the top landings' finished floor level.

Car Speed: 40 FPM (Foot per Minute) maximum per code

Cab: 3/4", seven ply cabinet grade architectural veneer plywood with 16ga steel, primed and powder coated strike columns (if applicable) and gate pockets. All cabs are custom built to suit the finished, clear shaft dimensions

Cab Heights: 6'-10" (6'-9-1/4" Clear inside cab height to accommodate 6'8" landing doors)

Cab Design: In-line opening, Flat Wall (FW) cab and ceiling design.

Platform: Up to 13 square feet inside usable cab space (Industry standard 12 square feet)

Standard Wood Species: Unfinished White Birch, Red Oak and White Maple. Pre-finished Red Oak, and White Maple.

Cab Gate: Black or White vinyl accordion gate with gate arm and gate switch.

Hall Stations: #4 (brushed) Stainless Steel hall stations with single pushbutton and illuminated "car here" light ring.

Car Operating Panel (COP): #4 (brushed) Stainless Steel Car Operating Panel with the required illuminated floor buttons, stop switch, alarm button, integrated phone keypad and emergency light.

Cab Lighting: Two - 3" Nickel or White recessed light fixtures with energy saving LED Bulbs.

Emergency Cab Lighting: One 24VDC emergency light integrated into the Car Operating Panel used during battery backup operation.

Handrail: (1) - 1/4" x 1-1/2", #4 (brushed) solid stainless steel flat bar handrail with removable inside mounts.

Pumping Unit: All aluminum construction with a primed and powder coat finish. Two speed electronic valve operation with both load and temperature compensation, manual lowering valve, low pressure switch, pressure gauge port and two way automatic leveling features. The unit is provided with a lockable cover.

Automatic Emergency Lowering Feature: If the controller senses a loss of house power while the elevator is in flight the elevator will stop and begin to descend to the next lowest landing. If the next lowest landing is not the lowest landing the operator will have the ability to stop at any of the remaining lower floors.

Auto Light Timer: Automatically turns the light off after the elevator has come to rest at a floor and the landing door and gates are closed. The amount of time the light remains on is adjustable ranging from 1-10 minutes.

Auto Homing: Provides the ability to home (park) the elevator to a selected floor after an adjustable amount of time ranging from 1-30 minutes after the landing door and gates are closed.

Floor Heights: Minimum of 12" floor-to-floor heights.

OPTIONS

Optional Cab Wall/Ceiling Design:

- Applied Trim (AT)
- Applied Panel/Coffered (APC)
- Observation Trim (OT)
- Half Wall Mirror
- Half Wall Observation Window
- Full Wall Observation Window

Optional Cab Finishes:

- Clear conversion varnish, Standard stain,
- Custom stain or paint

Optional Gates:

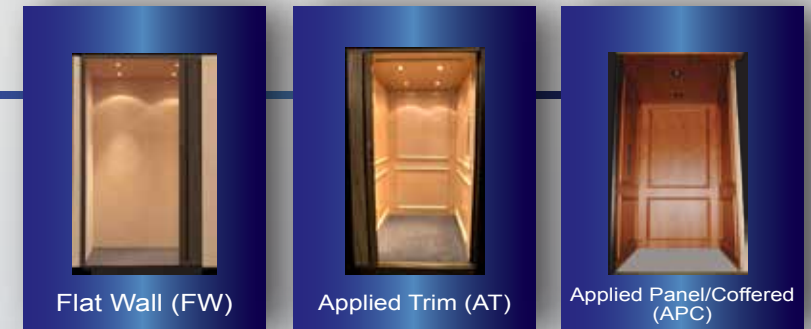
- Vinyl wood grain accordion gates
- Smoked or clear acrylic, accordion gates
- Hardwood gates, finished or unfinished
- Vision panels in any accordion style gate

Optional Wood Species:

- Custom Woods (Unfinished or Finished): Sapelli, Walnut, Cherry, Alder, Ash, White Oak, other custom wood species available.

Optional Gates:

- Vinyl wood grain, Smoked or Clear Acrylic accordion gates
- Hardwood gates, finished or unfinished
- Vision panels, (3) are available in Hardwood and Vinyl gates



Optional Lighting:

- (4) - 3" Nickel recessed fixtures with energy saving LED bulbs
- (4) - 4" Antique Bronze recessed fixtures with energy saving LED bulbs
- (1) - 6" Incandescent can light

Additional Features:

- 13-15 Square foot cabs
- In-Use Indicators in the hall stations.
- Keyed Hall Stations- Momentary and on/off
- Keyed Car Operating Panel
- Position Indicator in the Car Operating Panel
- Lightning Arrester (Surge Protector)
- Open Gate/Door Alarm (Only with HED)
- Raised Threshold (To accommodate thicker flooring)
- Power Gate Operator
- Float Switch
- Tank Heater
- Custom Shaped Cabs

Other Options Available

Visit www.HomeElevatorsDirect.net to see more options

Elevate
In Style



Customize Your Elevator With Additional Options

CABS & GATES



Flat Wall, Unfinished Birch, In-line Opening



Flat Wall, Pre-finished Walnut In-Line Opening



Flat Wall Pre-finished Walnut Front/Rear Opening



Applied Trim Package, White Maple with Conversion Varnish, In-Line Opening



Applied Trim Package, White Maple with Conversion Varnish, In-Line Opening



Applied Trim Package, Stained Walnut with Conversion Varnish, In-Line Opening



Applied Panel Coffered, Cherry with Conversion Varnish, In-Line Opening



Black Vinyl Accordion Gate w/Bronze Hardware



White Vinyl Accordion Gate w/Nickel Hardware



Smoked Acrylic Accordion Gate w/Bronze Hardware (Available in Clear Acrylic)

STANDARD WOOD SPECIES



White Birch

Red Oak

White Maple

PLEASE NOTE:

The actual appearance will be slightly different as each piece of wood will have its own unique color and grain patterns.

UPGRADED WOOD SPECIES



Sapelli
(Mahogany)

Walnut

Cherry

Alder

Ash

White Oak

CAR OPERATING PANELS (COP)



#4 Brushed Stainless Steel



Antique Bronze



Brushed Brass (Gold Tone)

HALL STATIONS



#4 Brushed Stainless Steel



Antique Bronze



Brushed Brass (Gold Tone)



White

SILLS



HANDRAILS

