

# Luxury Lift Traction 950 (LLT)

QUALITY • SAFETY • DEPENDABILITY • BEAUTY • ENGINEERING EXCELLENCE



Residential Elevators (RE) is pleased to offer the **Luxury Lift 950 - Variable Speed Traction Residential Elevator**.

**Benefits:** RE's **Luxury Lift Traction Elevator** uses the same technology as **10 - 50 story commercial buildings** that have been in use for over 100 years. We have developed this technology for a Home Elevator application **without** the need for a **machine room**. That saves the square footage of your home and adds to its value.

Quiet, smooth and reliable operations are the hallmarks of this advanced system and will provide dependable vertical transportation for the life of your home. As quiet as any conventional hydraulic system and a ride similar in smoothness during starting and stopping to most conventional hydraulic systems on the market.

RE's exclusive **Auto Lowering** emergency exit feature allows the **Luxury Lift LLT** to lower automatically to the next landing, allowing passengers to exit safely in the event of a power outage. Standard on all RE Home Elevators.

RE's history of quality engineering means lower maintenance costs.

- ***Environmentally Friendly and Energy Efficient***
- ***Factory Direct Savings!***
- An excellent value in the ultimate home appliance
- Unmatched quality and customer service
- Many optional features to complement your individual taste and desires
- No Machine Room
- **Only 96" (106" for EON Doors) of clear overhead needed and an 8" recessed pit (10" for EON Doors)**

## STANDARD FEATURES

- Free job site survey by one of our trained representatives
- One (1) year warranty
- 950 lb. capacity
- Auto Lowering Emergency System
- Travel standard up to 50 ft.
- Travel speed of 40 ft. per minute
- (3) 3/8" Heavy Duty Aircraft cables
- PLC (Programmable Logic Controls) Controller
- 3/4" sturdy cab walls (7 ply custom cabinet grade material)
- Custom made cab and interior to your specifications
- Aluminum anodized scissor gate or accordion style solid gate
- Standard interior cab color choices: (Pre-finished Maple or Oak and Classic White)
- Solid matching hardwood handrail
- Single LED light
- Single integrated car operating panel with built in phone and emergency light
- "Car Here" and "In Use" indicators
- Meets or exceeds all ASME/ANSI A17.1 National Safety Codes for Elevators - Section 5.3 **Private Residence Elevators and FBC R321.4.**

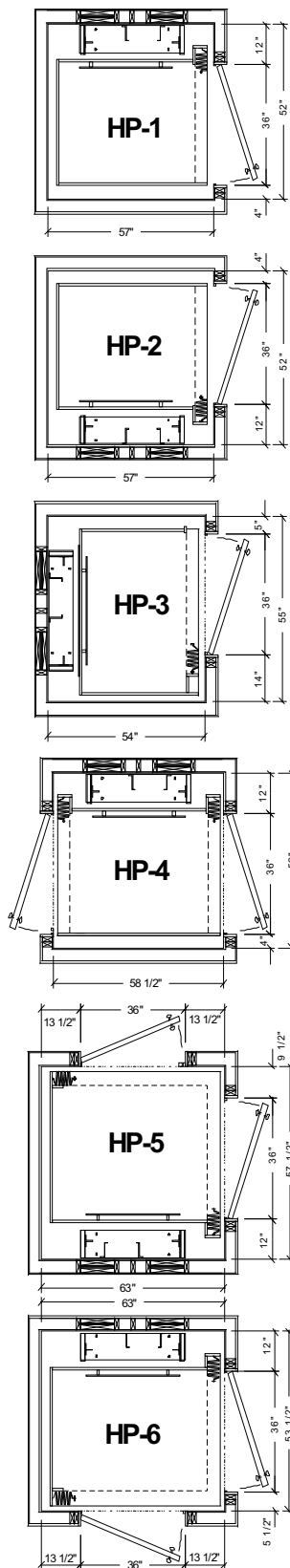
## OPTIONAL SELECTIONS

- Woods other than standard
- Additional gate(s)
- Custom gate(s)
- Oversize cab
- Over height cab up to 8'-0"
- Variety of custom cabs
- Observation glass panel inserts
- 750 lb. capacity (as necessary by Code in certain areas)
- Mirror with hardwood trim
- 2 or 4 LED lights
- Keyed hall station
- Attic mount installation
- Auto homing / auto light / auto run
- Stainless Steel series
- Touch screen car operating panel
- Electric Strikes
- And much more - Contact your local RE representative for all the details and options

# Luxury Lift Traction 950 (LLT)

## Standard Hoistway Plans

All dimensions based on Accordion Style Gate



## Luxury Lift LLT Traction Contract Specifications

**To Specify:** The manufacturer shall furnish \_\_\_\_\_ traction residential elevator(s) (LLT-952, LLT-953, LLT-954, LLT-955) as manufactured by Residential Elevators for hoistway plan HP- \_\_\_\_\_

**Design Characteristics:** Traction elevator(s) shall have:

**Capacity:** 950 lb - Standard, 750 lb. - Optional

**Speed:** 40 fpm

**Travel Distance:** \_\_\_\_\_ ft. \_\_\_\_\_ in. (50' - 0" max.)

**Landing Served:** \_\_\_\_\_: with openings at \_\_\_\_\_ front, \_\_\_\_\_ rear, \_\_\_\_\_ right, \_\_\_\_\_ left

**Door Size:** ( \_\_\_\_\_ w x \_\_\_\_\_ h) **Door Swing:** Right: \_\_\_\_\_ Left: \_\_\_\_\_

**Hoistway:** (Size \_\_\_\_\_ x \_\_\_\_\_) **Cab:** (Size: \_\_\_\_\_" w x \_\_\_\_\_" d x \_\_\_\_\_" h)

Minimum 8'-6" overhead clearance for standard height cab (9'-6" for 8'-0" cabs) **Hoistway Pit:** 8" Minimum

**Controller Location:** Overhead in shaft (Standard); Attic Mount (Optional)

**Cab Interior Finish:** \_\_\_\_\_

**Cab & Hall Stations Finish:** \_\_\_\_\_

**Cab:** Standard Residential Elevator shall be suitably finished on the interior side with natural wood grain; constructed of 3/4" 7 ply custom cabinet grade materials. Ceiling to be same species as walls unless specified, and 1" plywood on platform unfinished and ready for floor covering (flooring by others.) Gate options are accordion or scissor. Consult your RE representative for selections. It is provided with a gate switch to prevent operation unless the gate is closed. A single recessed incandescent light shall be in the center of the car ceiling. Cab shall be equipped with a solid hardwood handrail.

**Guide Rails:** Shall be two (2) 8 lb. planed T Section with smooth splices located on one load bearing hoistway wall. Guide rails shall be fastened at 7'-0" intervals by steel brackets. Counterweight rails shall be furnished to guide the counterweight frame.

**Machine:** Motor to be 2 HP hoist motor with a VFD drive, with brake. Brake shall be spring applied and electrically released and shall release only when drive motor is engaged.

**Operation:** Controls shall be momentary pressure and completely automatic. Each entrance shall be furnished with a call station. The car shall be furnished with a pushbutton or touch screen station with one button for each level served. The car station shall also contain an emergency stop switch, alarm bell, and light switch, and integrated phone. (required by ASME/ANSI A17.1 National Safety Codes for Elevators - Section 5.3 Private Residence Elevators.)

**Controller:** The controller components shall be enclosed in a metal cabinet. It shall contain the following components: Power relays and overload device suitable for the size motor and power supply. A microprocessor unit for all logical control and safety circuits. All components to be protected by fused circuits. An emergency, battery UPS operated circuit, shall be incorporated in the control logic to automatically provide emergency lighting and lower the lift in the event of an electric power failure. Batteries to be maintained at full charge by a trickle charge circuit during normal operation.

**Hoistway Door Interlocks:** Electrical / mechanical door locks shall be furnished for all hall doors to prevent elevator operation unless all doors are closed and to prevent opening of door when car is not at that landing.

**Car Frame / Suspension:** The steel car frame shall be attached to and suspended by three (3) 3/8" dia. heavy duty aircraft cables. The cables shall be fastened to the pit structure on one end and pass over the U groove sheave to shackles attached to the car frame and safety device. Should one or more cables break or slacken, a broken rope safety mechanism shall apply two cams to wedge against the elevator guide rails and bring the car to a complete stop.

**Installation:** Installation to be performed by authorized elevator contractor. All work must be completed in accordance with installation and operating instructions provided by the manufacturer of the elevator and must be in compliance with requirements of the American Standard Safety Code, National Electrical Code, and state and local building codes.

## Work By Others:

1. Construction of a suitable, clean, clear, square, plumb (including pit) and legal elevator hoistway consistent with State and Local building codes. (Refer to manufacturer's hoistway plans.)
2. Electrician shall furnish 240 VAC, 30 AMP circuit with 10/3 wire with ground to elevator controller.
3. Electrician shall furnish a 120 VAC, 20 AMP circuit to elevator controller for the car lighting system.
4. Suitable, hinged, solid core hall doors. Door openings are 3'-0" standard unless otherwise specified.
5. 8" (10" for EON Doors) deep recessed pit area.
6. Connection of telephone traveling cable to outside central exchange as required by ASME/ANSI A17.1 code.
7. Special engineered Drawings or plans and any State, County or Local Permits.
8. Proper rail blocking support per RE specifications
9. An access door with a minimum clear dimension of 16" x 18" is required to access equipment location to be determined by RE.
10. GFCI receptacle to be provided in controller area.
11. A 120 VAC switched light to be located in machinery space.

**Standard Hoistway Plans, as drawn, are recommended size requirements only. Contact RE for layout assistance if your needs are different.**