Residential Elevators, Inc. (REI) is pleased to offer the Luxury Lift LLT 950 - Variable Speed Traction Residential Elevator.

Benefits: REI’s Luxury Lift LLT 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.

REI’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 REI Home Elevators.

REI’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

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
• Recessed lighting
• 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.

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
• Halogen downlights
• Keyed hall station
• Attic mount installation
• Remote diagnostics and monitoring
• Auto homing / auto light / auto run
• And much more - Contact your local REI representative for all the details and options

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March 2014
Luxury Lift LLT 950 - Traction Home Elevator

**Standard Hoistway Plans**

![Standard Hoistway Plans Diagram](image)

**Luxury Lift Traction Contract Specifications**

To Specify: The manufacturer shall furnish ______ tracton residential elevator(s) (LLT-952, LLT-953, LLT-954, LLT-955) as manufactured by Residential Elevators, Inc. 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 __________, ______, ______.
- **Door Size:** ______ x ______ h
- **Door Swing:** Right: ______ Left: ______
- **Hoistway:** (Size: ______ x ______ x ______ h)
- **Cab:** (Size: ______ x ______ 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)

**Std. Cab Interiors:**

- Pre-Finished Birch: ______
- Pre-Finished Oak: ______
- Classic White Laminate: ______

**Optional Species:**

- Mahogany: ______
- Cherry: ______
- Walnut: ______
- Alder: ______
- Maple: ______
- Bamboo: ______
- Stainless Steel (#4): ______
- Bronze (#4 or Antique): ______
- Black: ______

**Cab & Hall Stations:**

- Stainless Steel (#4): ______
- Bronze (#4 or Antique): ______
- Black: ______

**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 station with one button for each level served. The car push button 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.)

**Cas & Hall Stations:** To be brass or antique tone or stainless steel (#4) or Black.

**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 components: Power relays and overload device suitable for the size motor and power supply. 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.

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**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 shoe leave 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" 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 REI specifications.
9. An access door with a minimum clear dimension of 18" x 24" is required to access equipment location to be determined by REI.
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 REI for layout assistance if your needs are different.**

RESIDENTIAL ELEVATORS, INC.

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