

RESIDENTIAL ELEVATORS



Elevating your standard of living

Factory Direct

WELCOME TO REI



Dear Prospective Client,

I would like to personally thank you for considering Residential Elevators, Inc. (REI) for your home elevator purchase. We take great pride in the product we manufacture and install. Our goal, quite simply, is to provide the best value available anywhere in the home elevator market. Because we install and service our elevators we have the added interest every day of building the very best elevator using only the best quality components. Whether it's state of the art control systems or architectural cabinet grade interior finishes, you will be extremely impressed and satisfied with our product and services. It's what we call the "REI Difference." Guaranteed!

Give REI the opportunity to earn your business. You have my personal guarantee of satisfaction. Thanks again for considering REI.

Sincerely,

Robert Boeneke

Owner / President
Residential Elevators, Inc.



Table of Contents

The REI Difference	2
Luxury Lift LLT-950	3
Luxury Lift LLH-950	5
Cab Designs	7
Options	9
Work by Others	Back Cover



THE REI DIFFERENCE



ADVANTAGE CONTROLLER

The REI **Advantage** Controller uses a sophisticated PLC (programmable logic controller) to ensure safety and dependability. It is the same advanced technology used by automobile and precision manufacturing companies.

We could save hundreds of dollars per elevator by going to cheaper components or a relay design - *but we do not!*

The LED lights on the PLC allow for multiple diagnostics. There is no charge for Telephone Customer Service Support for the lifetime of the elevator, which often resolves a problem and eliminates the need for a service call. In addition to the reliability of PLC controls, we are able to offer features such as remote monitoring, auto lights, auto homing, and much more.

The Difference - Advanced technology with the reliability of solid state components.

THE REI DIFFERENCE



PHOTO ELECTRIC LANDING SYSTEM

This system is responsible for floor leveling accuracy and communicates the location of elevator to the main control system. Instead of using mechanical switches or metal selector tapes and magnets that can stick, rust, break or cause noise, our system is silent, dependable, won't rust, and has no moving parts.

The Difference - Precise floor leveling, maintenance free and reliable.

INFRARED PROTECTION

(Optional Feature)

- Advanced Technology (Over 200 Infrared Beams)
- Enhanced Safety Feature
- Extremely Reliable
- Peace of Mind

The Difference - Commercial technology in a home elevator.

ALUMINUM & STAINLESS STEEL

Because our factory and headquarters are located less than 10 miles from the Gulf of Mexico in Florida's Panhandle, everything we engineer and build is designed to withstand the harsh and humid environment of the South's coastal communities.

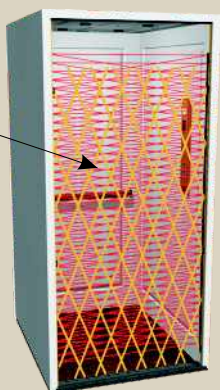
The Difference - Built to last in the most extreme environments - even if you are not located in one.

OUR ELEVATOR CABS

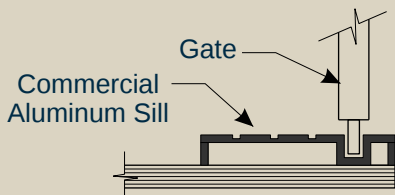
Whether it's our standard **Classic Series** with pre-finished Birch or Oak, or our elegant **Estate Series** cab in Cherry, we use only architectural cabinet grade 7-ply plywood material and solid hardwood trim.

The Difference - A solid, durable, and beautiful product that will outlast the cabinets in your home. No particle board, fake veneers, or inserted panels. *Timeless Craftsmanship!*

Infrared Beams
for Safe Operation



REI Built
Extruded Aluminum
Scissor Gate w/
Stainless Hardware



OUR DELIVERY

We even have our own delivery fleet to insure our product arrives on time and in the same top quality condition it leaves our factory.

LUXURY LIFT LLT-950

TRACTION LIFT

Luxury Lift LLT-950

Residential Elevators, Inc. (REI) is pleased to offer the **Luxury Lift LLT-950** - Variable speed traction machine room less (MRL) residential elevator.

Benefits

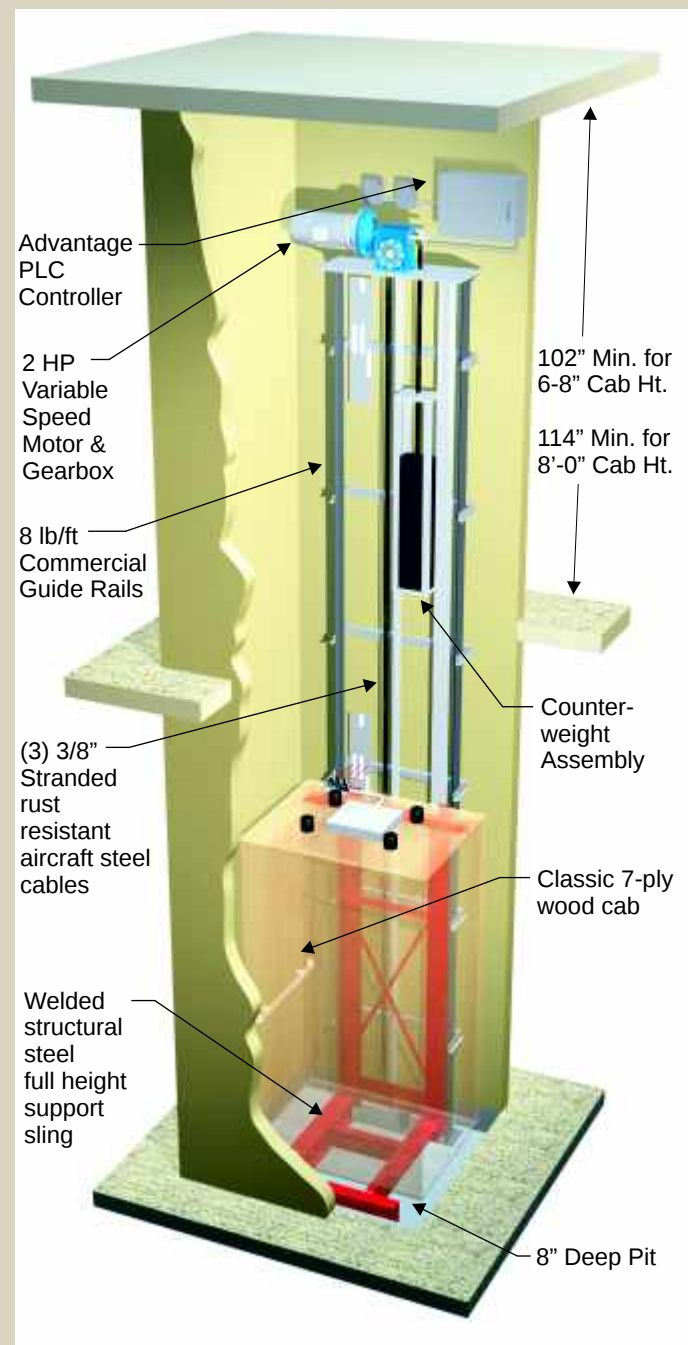
REI's **Luxury Lift LLT-950 Traction Elevator** uses the same technology as **10 - 50 story commercial buildings** that have been in use for over 100 years. We have developed this technology for a Home Elevator application **without** the need for a **machine room**. That saves the square footage of your home and adds to its value.

REI's exclusive **Auto Lowering** emergency exit feature allows the **Luxury Lift LLT-950** to lower automatically to the next landing, allowing passengers to exit safely in the event of a power outage.

- **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

Custom Features to Your Order

REI will custom build many upgrades to your exact specifications including: extra gates, custom cab height, observation glass panels, security key pads, keyed hall station, custom interior, custom fixtures - And much more.



Standard Features

- One (1) Year Limited Warranty
- 950 lb. Capacity
- Custom measured and fit to your hoistway
- Auto Lowering Emergency System
- Travel up to 50 feet
- Travel speed of 40 ft. per minute
- 3/4\"
- Aluminum anodized scissor gate or accordion style solid vinyl gate
- Standard interior cab color choices: (Pre-finished Birch or Oak and Classic White)
- Solid matching wood handrail
- Recessed lighting
- Single integrated car operating panel with built in phone and emergency light (see Page 9)
- Meets or exceeds all ANSI A17.1 National Safety Codes for Elevator Safety
- No machine room required

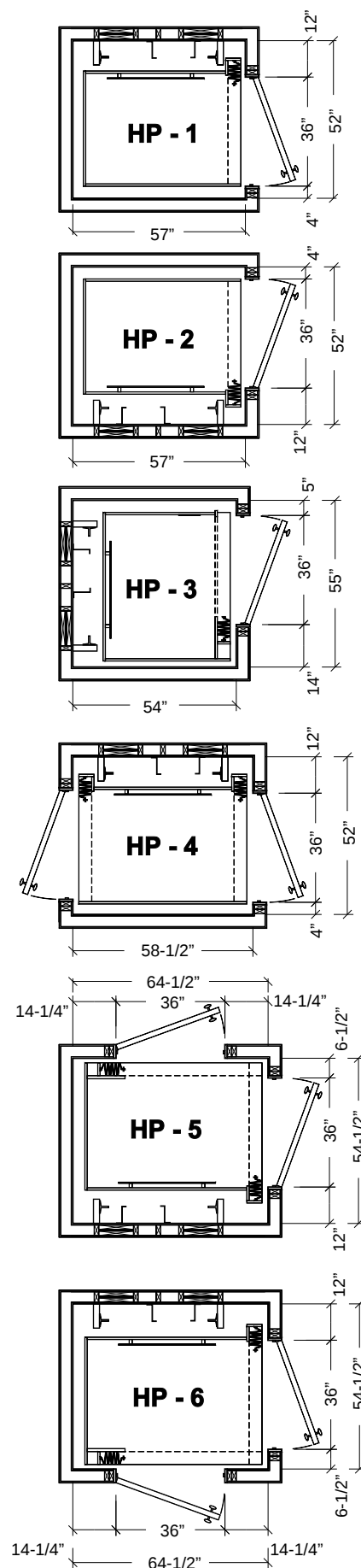


Optional Selections

- | | |
|--|--|
| ☐ Woods other than standard | ☐ Mirror w/ hardwood trim |
| ☐ Additional gates | ☐ Halogen downlights |
| ☐ Custom gate | ☐ Keyed hall station |
| ☐ Oversize cab | ☐ Remote diagnostics and monitoring |
| ☐ Over height cab up to 8'-0" | ☐ Auto homing / auto light timer |
| ☐ Variety of Custom Cabs
(See pg 7- 8) | ☐ And much more - Contact your local
REI representative for all the details
and options |
| ☐ Observation glass panel inserts | |
| ☐ 750 lb. Capacity (50' - 0" max.) (As
necessary by Code in certain areas) | |

* These plans represent standard layouts, however, because every REI cab is built custom for each job, we can usually accommodate any dimension you might have. Contact your local REI rep or call 1-800-832-2004.

* Hoistway Plans



LUXURY LIFT LLH-950

ROPED HYDRAULIC LIFT

Luxury Lift LLH-950

Residential Elevators, Inc. (REI) is pleased to offer our **Luxury Lift LLH-950** hydraulic elevator line with the largest size and capacity allowed by the National Safety Code. The **Luxury Lift LLH-950** hydraulic elevator has an industry leading 950 lb. capacity - **STANDARD!**

Benefits

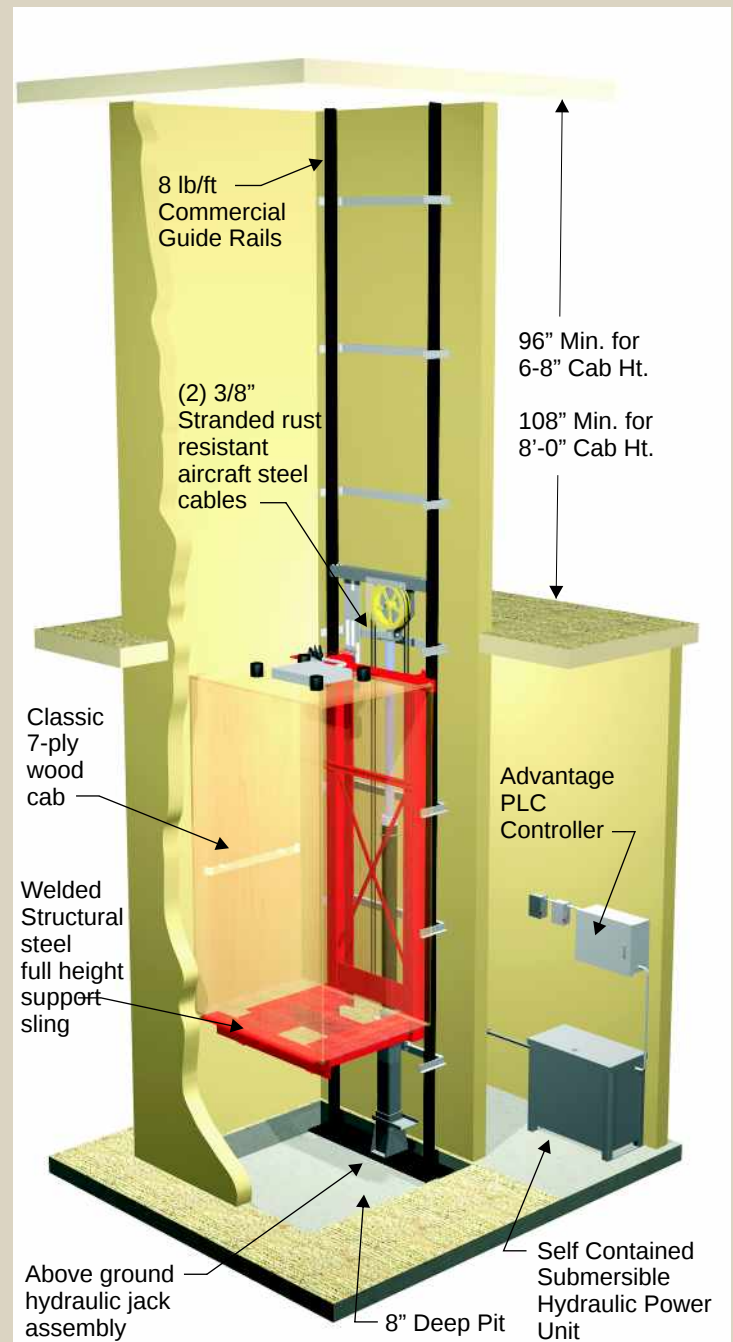
The **Luxury Lift LLH-950** residential elevators are built using the same design criteria developed over decades and used in the commercial and industrial elevator market. REI's **Luxury Lift LLH-950** gives the lifting capacity normally available only with commercial elevators. Complement the **Luxury Lift LLH-950** with your personal choice of cab appointments and *enjoy commercial elevator features at residential elevator prices.*

Low maintenance is consistent with REI's reputation. It is demonstrated through a 20 year history of highly engineered hydraulic elevators with affordable cost and beautiful finishes.

- **Factory Direct Savings!**
- Only 96" of clear overhead needed and an 8" recessed pit
- All cabs custom built to fit your elevator hoistway (net usable cab interior cannot exceed 15 sq.ft. by code.)

Custom Features to Your Order

REI will custom build many upgrades to your specifications including: extra gates, change of cab height, observation glass panels, security key pads, keyed hall station, custom interior, custom fixtures, power gates, and much more.



Standard Features

- One (1) Year Limited Warranty
- 950 lb. Capacity
- Custom measured and fit to your hoistway
- Auto Lowering Emergency System
- Travel up to 50 feet
- Travel speed of 40 ft. per minute
- 3/4" sturdy cab walls (7 ply custom cabinet grade material)
- Aluminum anodized scissor gate or accordion style solid vinyl gate
- Standard interior cab color choices: (Pre-finished Birch or Oak and Classic White)
- Solid matching wood handrail
- Recessed lighting
- Single integrated car operating panel with built in phone and emergency light (see Page 9)
- Meets or exceeds all ANSI A17.1 National Safety Codes for Elevator Safety

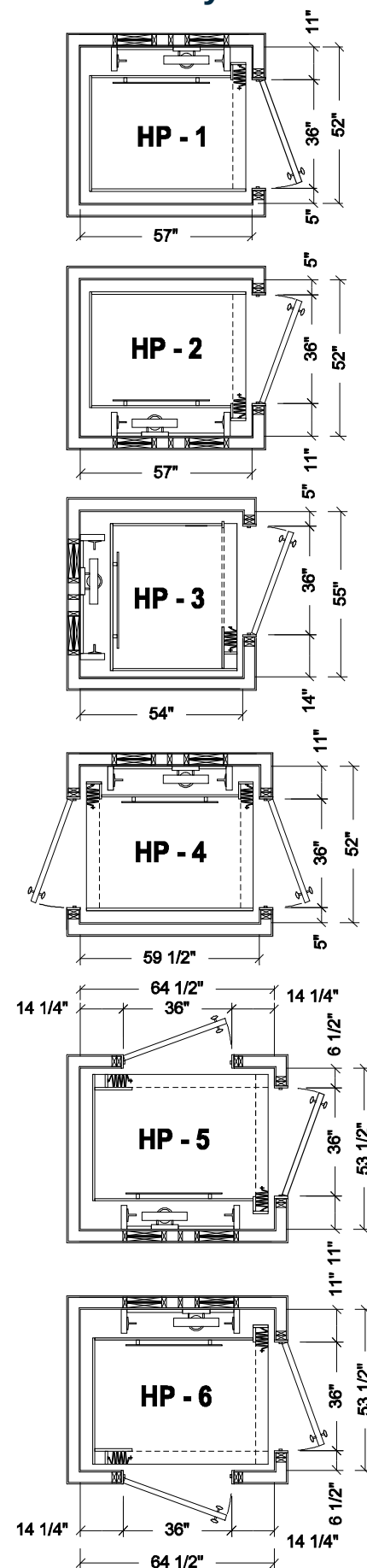


Optional Selections

- | | |
|--|--|
| ☐ Woods other than standard | ☐ Mirror w/ hardwood trim |
| ☐ Additional gates | ☐ Halogen downlights |
| ☐ Custom gate | ☐ Keyed hall station |
| ☐ Oversize cab | ☐ Remote diagnostics and monitoring |
| ☐ Over height cab up to 8'-0" | ☐ Auto homing / auto light timer |
| ☐ Variety of Custom Cabs
(See pg 7- 8) | ☐ And much more - Contact your local
REI representative for all the details
and options |
| ☐ Observation glass panel inserts | |
| ☐ 750 lb. Capacity (50' - 0" max.) (As
necessary by Code in certain areas) | |

* These plans represent standard layouts, however, because every REI cab is built custom for each job, we can usually accommodate any dimension you might have. Contact your local REI rep or call 1-800-832-2004.

* Hoistway Plans



Classic Series Cabs

Simple, practical and built to last. We use the same grade architectural plywood with a factory finish lacquer on our Standard Classic Cab that we use on our Custom Cabs.

- 6-10" Height
- Incandescent Downlight
- Hardwood Handrail
- Single integrated operating panel with built in phone and emergency light

Signature Series Cabs

Available in any of our wood finishes with a matching 3-1/8" raised hardwood moulding. Get affordable elegance with this timeless design.

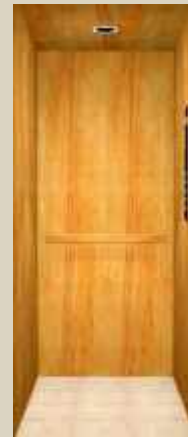
Vintage Series Cabs

By utilizing raised hardwood moulding on applied panels, the Vintage Series provides a traditional raised panel look at an affordable price.

All cab pictures are 3D generated images.



Oak



Birch



Classic White Laminate



Cherry



Mahogany



Alder



Oak



Maple



Mahogany

All cab finished flooring by others.

Wood Options

Custom stains available



Birch



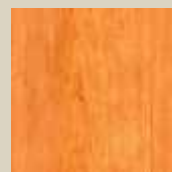
Oak



Mahogany



Alder



Cherry



Maple



Walnut

All cab pictures are 3D generated images.

Estate Series Cabs

This classic REI Design is hand crafted to the last detail. 3/4" raised rails and stiles on all walls and ceiling with custom hardwood transition moulding give this cab depth and beauty to satisfy the most distinguished taste.



Cherry



Walnut

Reserve Series Cabs

The Reserve Cab walls are 1-3/8" solid panels and routed on a sophisticated CNC routing machine in a variety of designs. Compliment any routed design with raised moulding to add depth and boldness.



All cab finished flooring by others.

All REI cabs can be purchased with the following options:

- ☐ 8'-0" height
- ☐ Oversize cab up to 15 sq. ft.
- ☐ Silver, Black or Bronze Tone scissor gate
- ☐ Vinyl accordion gates to match
- ☐ Clear accordion gates
- ☐ Hardwood accordion gates
- ☐ Power gate operator
- ☐ Flat bar or cylindrical metal handrails to match (See page 9)
- ☐ Keyed stations for security

Visit the REI website for more information on our products, cabs and options.

ResidentialElevators.com

OPTIONS



Clear or Smoked Acrylic, Hardwood or Matching Vinyl Accordion Gates



Automatic Power Gate Operator (Accordion gate only)



Bronze, Black, Antiqued or Silver Tone Aluminum Scissor Gates



Laminated Glass Wall



Mirrored Back Panel



Light Fixture Options



Metal Handrails

Lights up when pressed and goes out when elevator arrives at floor



Outer ring lights up when elevator arrives at floor



Hall and Car Fixtures



Wood Handrails

All hall fixtures, car fixtures and metal handrails are available in Stainless Steel Brushed or Black and PVD Brushed Bronze or Antique Bronze finishes.



FACTORY DIRECT - NATION WIDE!

Work Done by Others

ELEVATOR HOISTWAY: Provide an enclosed finished **LEGAL** hoistway with **INSIDE CLEAN, CLEAR, SQUARE AND PLUMB** (including pit) dimensions recommended to be a minimum of 52 inches wide by 57 inches deep (52" X 57") including blocking, which will provide an interior cab dimension of approximately 12 square feet. REI will build to your specifications if smaller than the above, but only to the smallest dimension inside the clean, clear, square and plumb (including pit) finished hoistway (plywood walls preferred). Confirm with local building department for any other requirements regarding construction of elevator hoistway.

Barricades, and/or any/all other legal methods required by any jurisdiction to prevent access into shaft shall be required outside each floor landing for the protection of workmen and all other subcontractors and/or occupants until the elevator is installed completely and turned over to home owner. These devices shall be the sole responsibility of the GC. **GC TO PROVIDE SOLID CORE HOISTWAY DOORS WITH HINGES LOCATED ON RAIL SIDE**, properly installed to comply with A17.1.

"3 X 5" RULE (Clearance between the landing doors and gates AND landing sills): DOOR SIDE WALL TO BE OF 2" x 4" CONSTRUCTION. Regardless of construction type EACH DOOR MUST BE RECESSED TO MEET THRESHOLD CONSTRUCTION REQUIREMENTS AS CONTAINED IN THE ANSI A17.1 (3" x 5" SPACING CODE). The distance between the landing door, in the closed position, and elevator gate(s), in the open position, shall not exceed 5 inches. The distance between the landing door face, in the closed position, and landing sill shall not exceed 3 inches. **ELEVATOR CANNOT BE OPERATIONAL UNLESS LANDING DOORS ARE IN COMPLIANCE.** Contact your local REI representative for further details.

THRESHOLD: Contractor shall provide a threshold from each floor to within 1/2" minimum to 1-1/2" maximum (ideally 1-1/4") of the elevator platform AFTER the elevator has installed. Doors in hoistway shall NOT be centered but installed per REI specs to allow proper rail side return measurement. Rail Side return measurement of at least 12 inches is required. Hoistway side of landing doorframes shall NOT have casing or door trim that exceeds 1/4" in thickness.

TRACTION: A MINIMUM PIT OF 8" INCHES IS REQUIRED built to withstand 5,100 lb maximum load. Minimum 102" overhead clearance is required for 6'-8" cabs (114" for 8'-0" cabs.)

HYDRAULIC: A MINIMUM PIT OF 8" INCHES IS REQUIRED built to withstand 3,900 lb minimum load. A minimum 14" deep pit is required where occupied space below the shaft exists. A minimum of 96" of overhead clearance is required for 6' 8" cab (108" for 8'-0" cabs.)

Contractor to complete all drywall and grouting patchwork. Any travel distances over 28'-0" requires a special piston which requires installation during framing stage due to piston length. (HYDRAULIC ONLY)

WOOD FRAME HOME BLOCKING REQUIREMENTS: Four (2 sets of 2 ea.) 2" X 12" yellow pine studs running vertically the entire length of the hoistway 12" on center on each side of rail wall centerline (centerline of rail wall must be minimum of 28" off inside front wall), 2" x 12" to be face nailed, glued and edged with 2" x 4" for structural integrity. The yellow pine boards shall all be fastened to the wall supports with 3/8" by 2-1/2" lag bolts to support elevator rail system. To insure adequate supports in the wall for guide rail fastenings these should not exceed 10' vertical feet and meet all pertinent building codes (see REI blocking detail).

CONCRETE BLOCK HOISTWAY: All dimensions shall remain the same for **INSIDE CLEAN, CLEAR, SQUARE AND PLUMB** hoistway. Rail sidewall blocks shall be filled solid with concrete the entire height of hoistway. All patching, painting and grouting required after installation is the responsibility of the GC.

EQUIPMENT ACCESS DOOR: The REI Horizon Lift does not require a conventional Machine Room, however, CODE COMPLIANT ACCESS to the equipment space in the elevator hoistway overhead must be provided by the General Contractor/Owner. Access to equipment must be through an access door (18" H minimum x 24" W maximum) located on the top floor or from the attic (see REI drawing detail for more information). If access door is located in attic accessibility for service and installation must be provided including catwalk, decking adjacent to access door, scuttle hole and attic ladder and controller/disconnect location.

ELECTRICAL: Standard 220 Volt 30 Amp dedicated service 10-3 wire with ground and standard 110 Volt, 15 Amp single pole disconnect / circuit breaker, telephone line, GFI Receptacle, light fixture with bulb guard and switch, shall all be located in elevator hoistway overhead or in attic depending on location of access door or in elevator equipment room for hydraulic elevator.

POWER ON THE 220V LINE MUST BE A 10-3 WIRE WITH A GROUND AND INSURE THERE IS A DEDICATED NEUTRAL TO THE UNIT. IN ADDITION, ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL 240V-30AMP DISCONNECT WITH INTERLOCK AUXILIARY CONTACTS KIT PLUS 2 EACH 250V RK5 FUSES, AND SINGLE POLE FUSIBLE 110V-15A DISCONNECT. Explanation: The 220V feed should have a black, red, white and ground wire coming to the machine room. All electrical contractors will have full knowledge of this requirement. Simply insure they are aware of the requirement. Black and red are powered with 110V each totaling 220V. White is neutral to feed low voltage transformer with ground to ground standard. (See REI electrical requirements sheet) General Contractor and/or Owner shall Defend, Indemnify and hold REI harmless for all claims subject to this "Work Done by Others".

WARRANTY: All elevators include REI's standard one year limited warranty.

NOTE: INFORMATION SUBJECT TO CHANGE WITHOUT NOTICE

Residential Elevators, Inc.

20 Residential Drive, Crawfordville, FL 32327

Tallahassee, FL

contact: sales@ResidentialElevators.com

FAX (850) 926-5319