Work by Others - 3/4” x 4”

Luxury Lift Traction (LLT)

Prior to job site arrival for installation of elevator, RE requires the following Work by Others to be completed by General Contractor (GC) or Homeowner if acting as own general contractor (HO).

ELEVATOR HOISTWAY AND LAYOUT: Provide an enclosed finished LEGAL hoistway with INSIDE CLEAN, DRY, CLEAR, SQUARE AND PLUMB (including level pit floor) 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 (as detailed in Plan View-HP1 on our website). Additional Hoistway Plans, including a maximum cab size of 15 square feet, are available at ResidentialElevators.com or by contacting your local Sales Representative. RE will build to your specifications if smaller than the above, but only to the smallest dimension inside the finished hoistway (plywood walls preferred). If the elevator is intended to accommodate a wheelchair, please review the necessary hoistway dimensions with the RE sales representative.

WOODFRAME 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 support in the wall for guide rail fastening, the blocking should not exceed 12 vertical feet without intermediate horizontal support and shall meet all pertinent building codes. See blocking detail on pg. 4.

CONCRETE BLOCK HOISTWAY REQUIREMENTS: All dimensions shall remain the same for LEGAL, INSIDE CLEAN, DRY, CLEAR, SQUARE AND PLUMB hoistway. RAIL SIDEWALL BLOCKS SHALL BE FILLED SOLID WITH CONCRETE THE ENTIRE HEIGHT OF HOISTWAY. All patching, fire caulking, painting and grouting required after installation is the responsibility of the GC or HO.

A MINIMUM PIT OF 8” INCHES (10" INCHES FOR EON DOORS) IS REQUIRED: The pit must be built to withstand 5,100 lb impact load, must be level, and must be clean when RE arrives for installation. Minimum 96” overhead clearance (106" [113" Above Door Access] for EON Doors) is required for 6’-8” cabs (102" for 7 '4" cabs and 110” (120" [127" Above Door Access] for EON Doors) for 8’-0” cabs).

SOLID CORE HOISTWAY DOORS WITH HINGES LOCATED ON RAIL SIDE,properly installed to comply with ASME A-17.1 and any other requirements of the local jurisdiction. Doors shall NOT be centered but be installed in accordance with RE specifications in order to allow proper rail side return measurement. Rail side return measurement of at least 12 inches is required. Hoistway side of landing door frames shall NOT have casing or door trim that exceeds ¼” thickness.

THRESHOLD: Provide a threshold from each floor to within 1/2” minimum to 1-1/4“ maximum of the elevator platform AFTER the elevator has been installed.

FLOORING: Finished flooring in elevator cab shall be provided by others after elevator installation is complete. RE provides a 50lb flooring allowance and a 3/4" threshold to accommodate finished flooring. Thicker and heavier flooring must be coordinated prior to production as it will result in modifications to cab/ elevator and added cost.

SAFETY REQUIREMENTS:

1. ANCHORING SUPPORT REQUIREMENT: Header must support 5,000 lbs. of vertical force (see header detail on pg. 5).

2. All BARRICADES and all other legal methods required by any jurisdiction to prevent access into the shaft MUST BE PROPERLY INSTALLED OUTSIDE OF EACH FLOOR LANDING FOR THE PROTECTION OF WORKMEN AND ALL OTHER SUBCONTRACTORS AND/OR OCCUPANTS UNTIL THE INSTALLATION OF THE ELEVATOR IS COMPLETE. FAILURE TO PROPERLY BARRICADE THE SHAFT MAY LEAD TO SERIOUS INJURY OR DEATH.

DELIVERY AREA AND WORKSPACE: Provide an easily accessible, secure, protected space at ground level no less than 10’x15’ for delivery of elevator. Photos will be taken by RE delivery crew on delivery. If any damage is done to the elevator after delivery, or parts are missing when the installation crew arrives, GC/HO will be billed for the same. GC/HO is responsible for providing a clear, unobstructed path between the delivered elevator and the elevator hoistway in addition to a minimum 20’x20’ workspace (including the delivered elevator) for the elevator installation crew.

“3/4 x 4” RULE (Clearance between hoistway/landing doors and gates AND landing sills): Regardless of wall construction type, EACH HOISTWAY DOOR MUST BE RECESSED TO MEET THRESHOLD REQUIREMENTS as mandated by ASME A.17.1 The distance between the backside of hoistway/landing door(s), in the closed position, and the elevator gate(s) in the closed position, shall reject a four inch sphere at all points. The distance between the backside of hoistway/landing door, in the closed position, and landing sill shall not exceed ¾ inches. ELEVATOR CANNOT BE OPERATIONAL UNLESS LANDING DOORS ARE IN COMPLIANCE (See Page 4 of this Contract for further information). Further, in order to accommodate these requirements and the Elevator Interlock Safety Device, a 2.5” x 8” cutout must be made in the upper edge of the door on the doorknob side (RE Rep will mark the cutout to be made) and a flush mount door knob must be used on the interior (elevator) side of the hoistway door (Door hardware to be sourced and provided by GC/HO).

EQUIPMENT ACCESS DOOR: The Luxury Lift Traction Elevator does not require a conventional Machine Room. However, CODE COMPLIANT ACCESS to the equipment space in the elevator hoistway overhead must be provided. Access to equipment must be through an access door (16” H x 18" W minimum and 24" H x 24” W maximum) located on the top floor or from the attic (see drawing on page 4). 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: One 240 Volt 30 Amp dedicated service 10-3 wire with ground in 4x4 Electrical Box and one dedicated 120 Volt, 20 Amp service in 4x4 electrical box, ACTIVE telephone line, GFI receptacle, one electrically dedicated light fixture with bulb guard and switch, shall all be located in elevator hoistway overhead or in attic depending on location of access door (see drawing on page 4). POWER ON THE 240V LINE MUST BE A 10-3 WIRE WITH A GROUND AND A DEDICATED NEUTRAL TO THE UNIT. The 240V feed should have a black, red, white and ground wire coming to the machine space. The GC or HO must make the electrical contractor aware of this requirement; a licensed electrical contractor will fully understand this requirement. Black and red are powered with 120V each totaling 240V. White is neutral. Ground to ground standard. (See RE electrical requirements sheet on website.) NOTE: If power swing door option is purchased, a separate 120v outlet will be required at each floor landing receiving this feature – specific location to be determined by Sales Representative.

NOTE: INFORMATION SUBJECT TO CHANGE WITHOUT NOTICE. CHANGE MAY BE REQUIRED BY NEW CODES OR RULES

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