

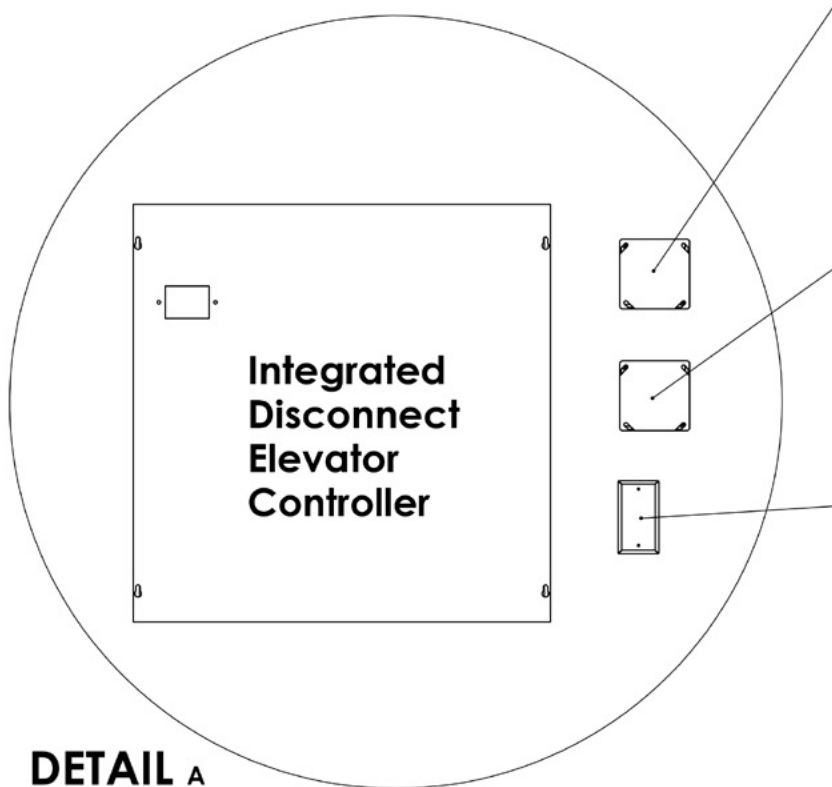
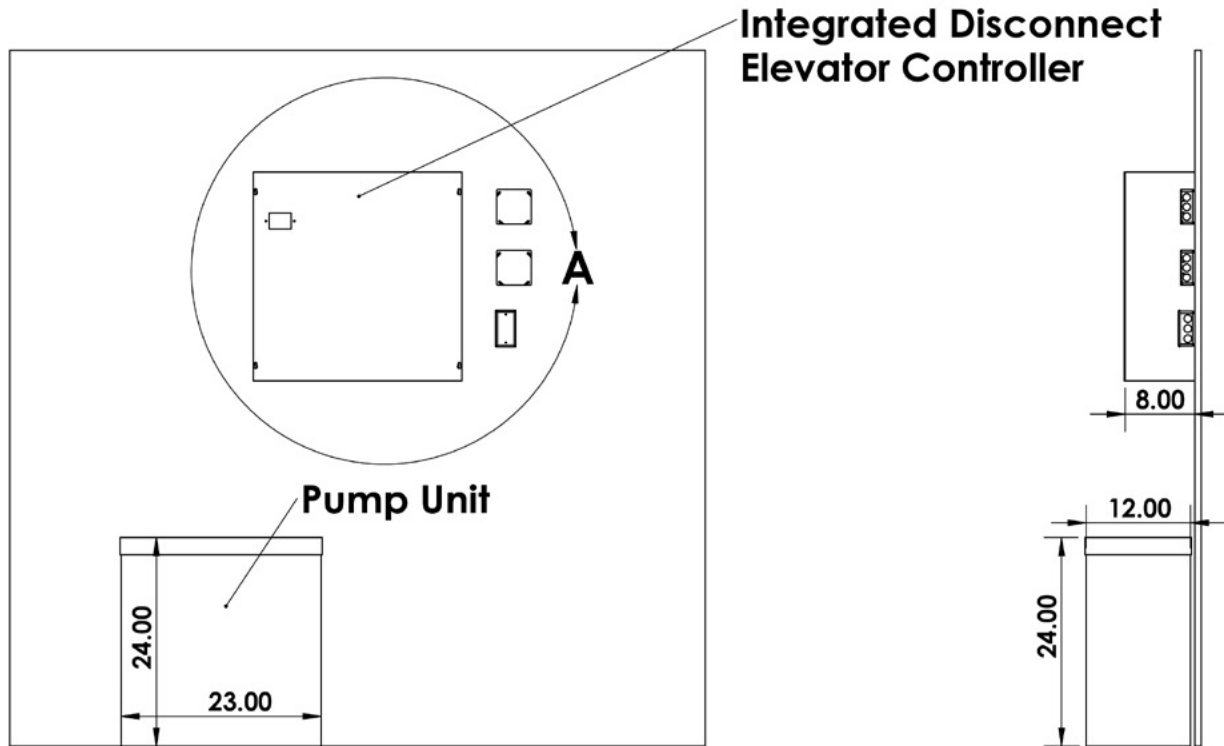


Specifications Packet

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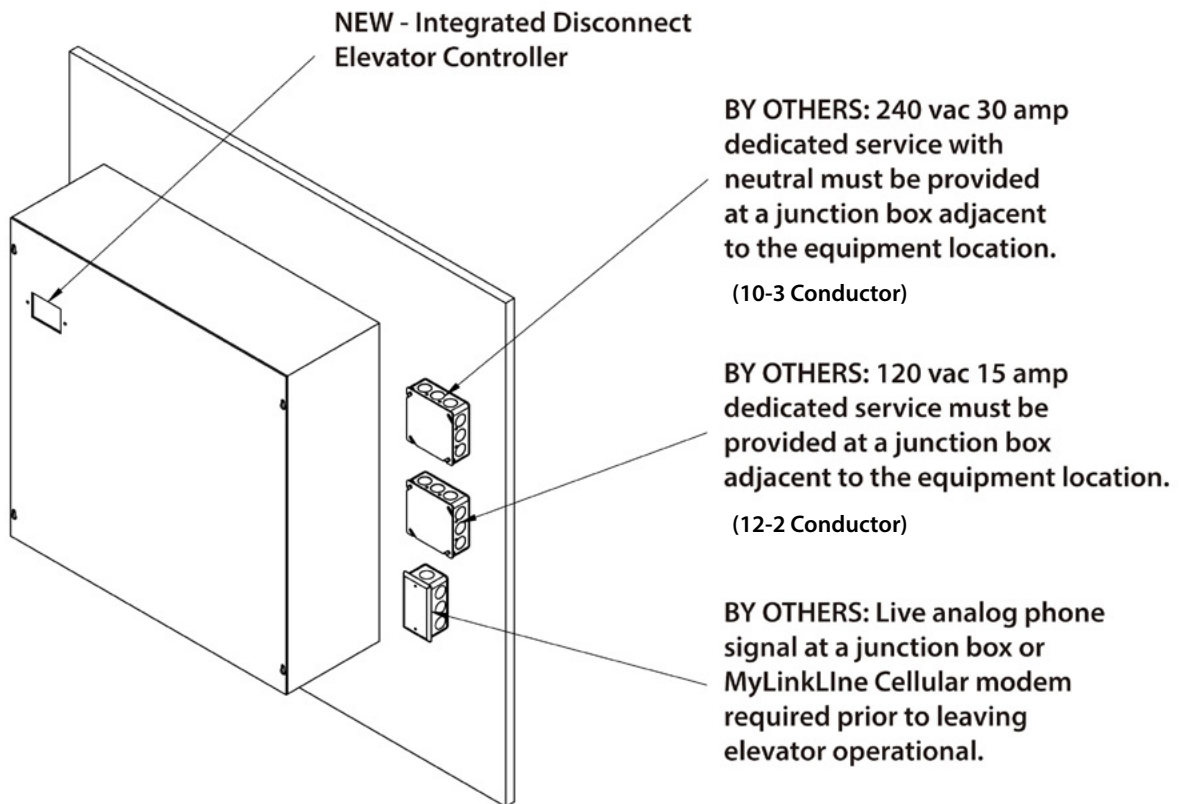
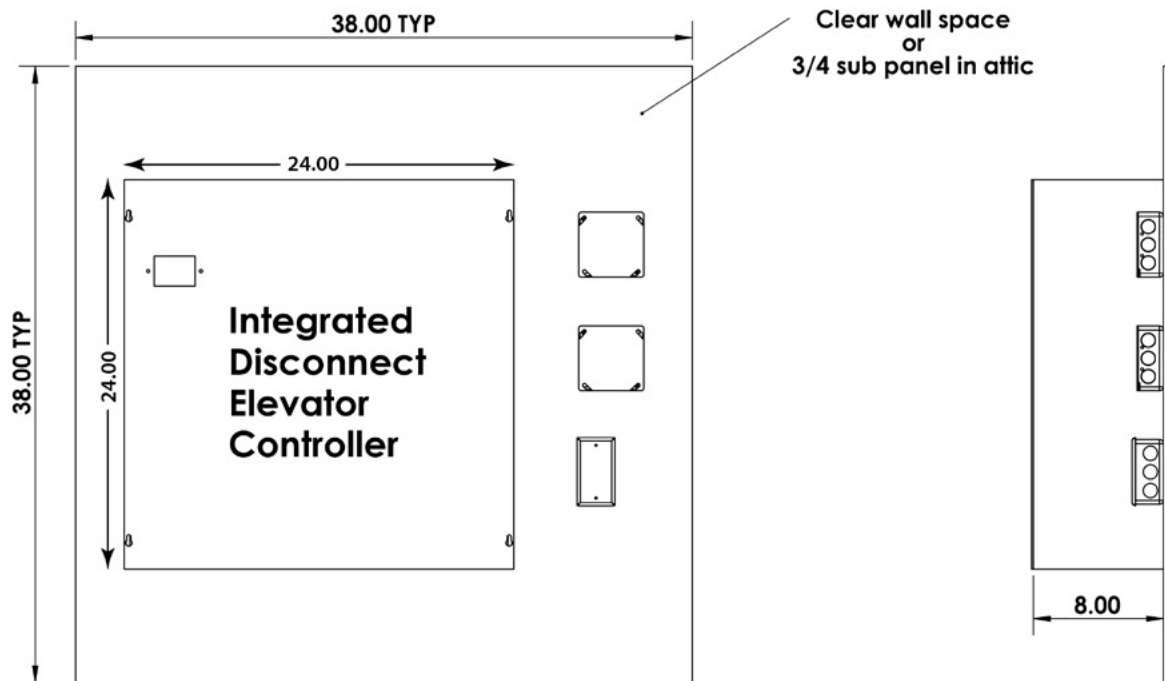
BY OTHERS: 240 vac 30 amp dedicated service with neutral must be provided at a junction box adjacent to the equipment location.
(10-3 Conductor)

BY OTHERS: 120 vac 15 amp dedicated service must be provided at a junction box adjacent to the equipment location.
(12-2 Conductor)

BY OTHERS: Live analog phone signal at a junction box or MyLinkLine Cellular modem required prior to leaving elevator operational.

DETAIL A





NOTE: Access must be provided to a motor located at the top of the shaft.

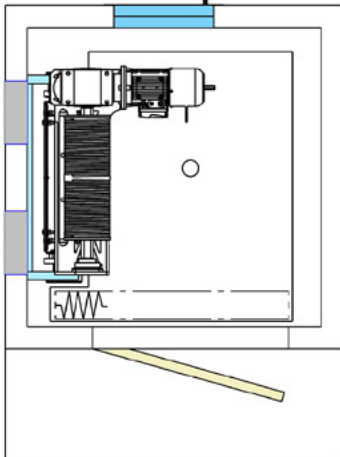


PROPRIETARY AND CONFIDENTIAL

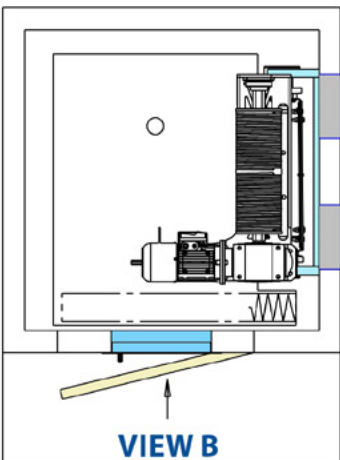
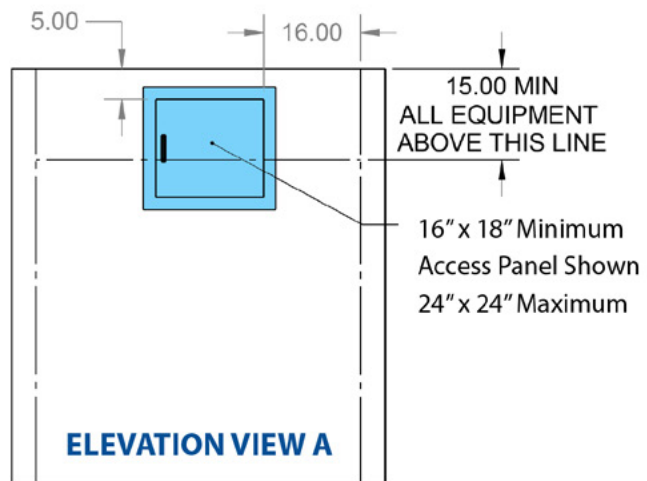
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info@seelevator.com
seelevator.com

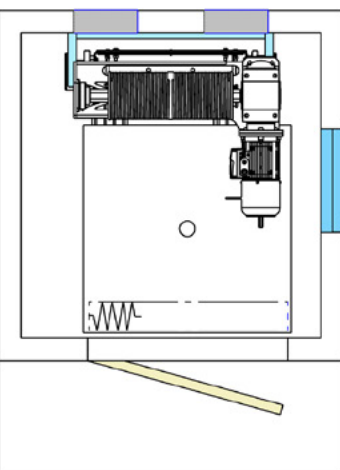
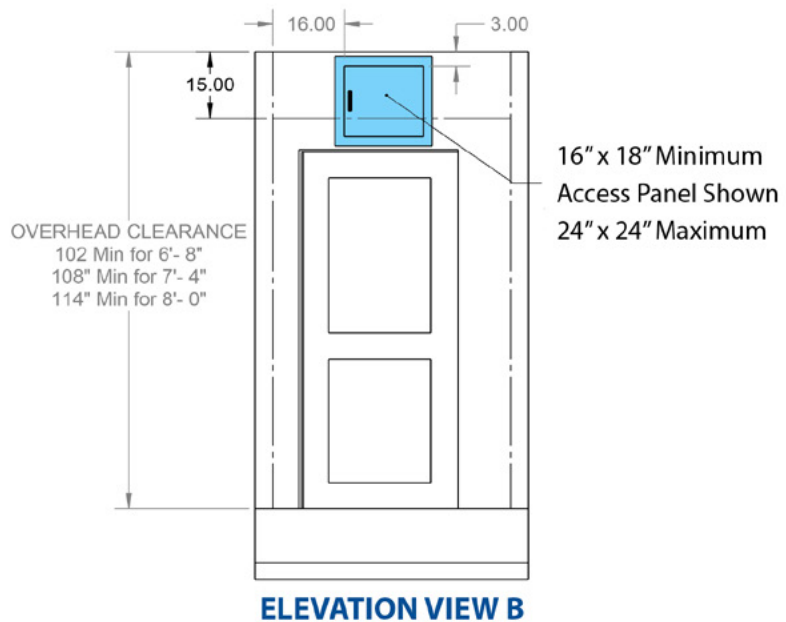
VIEW A



LH Rails / Rear Motor Shown

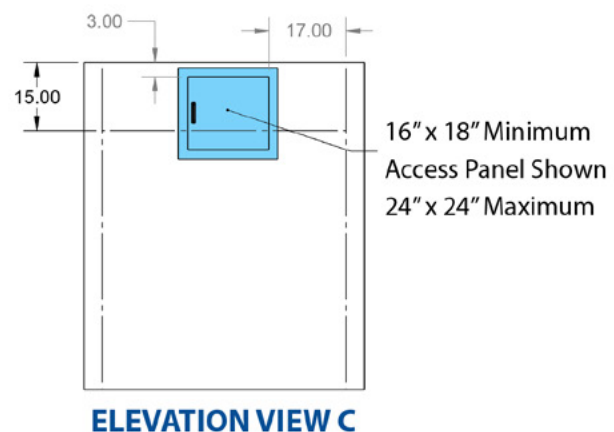


RH Rails / Front Motor Shown



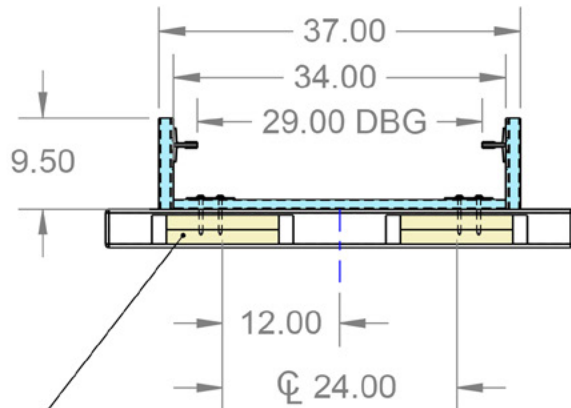
Rear Rails / RH Motor Shown

VIEW C

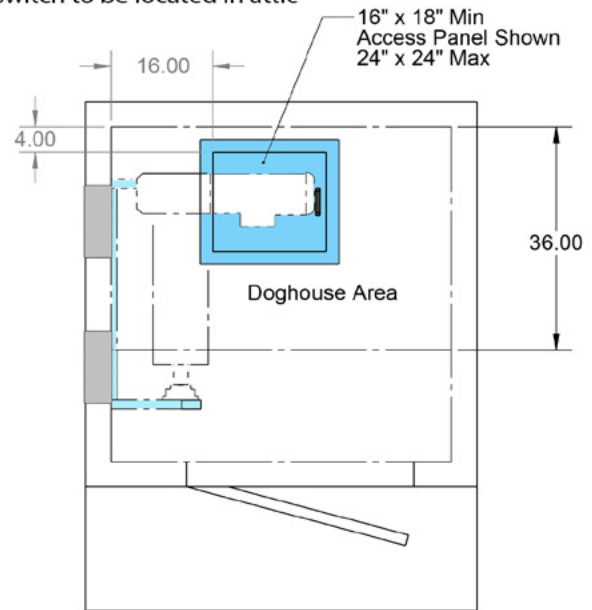


ATTIC ACCESS DOOR Self locking and closing — by General Contractor

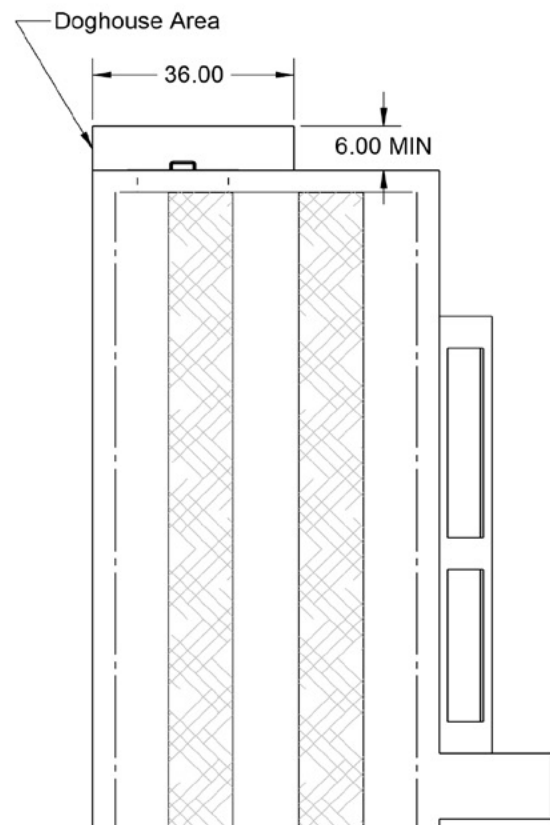
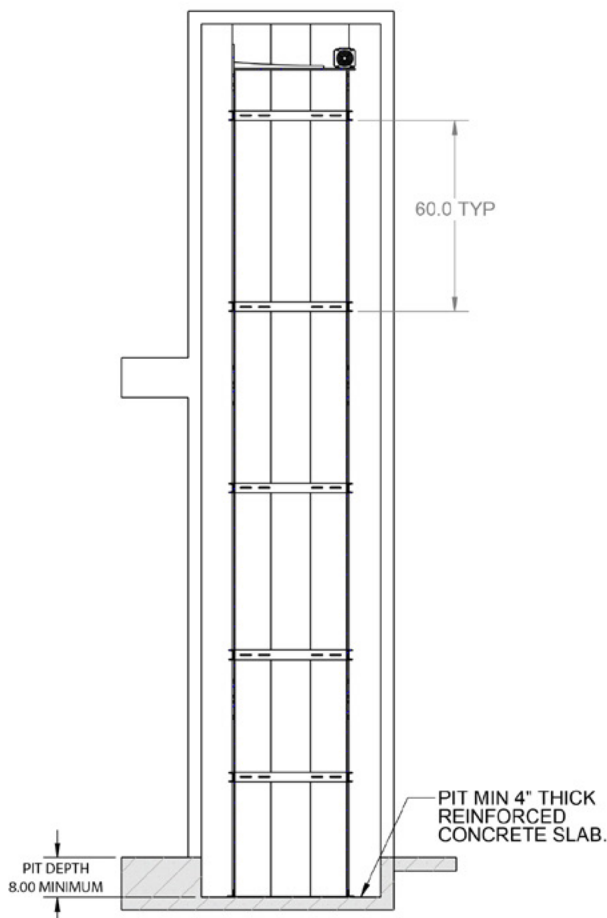
NOTE: If access door is located in the ceiling or the shaft, then the controller, electric boxes, GFI, VWF drive, UPS and light switch to be located in attic



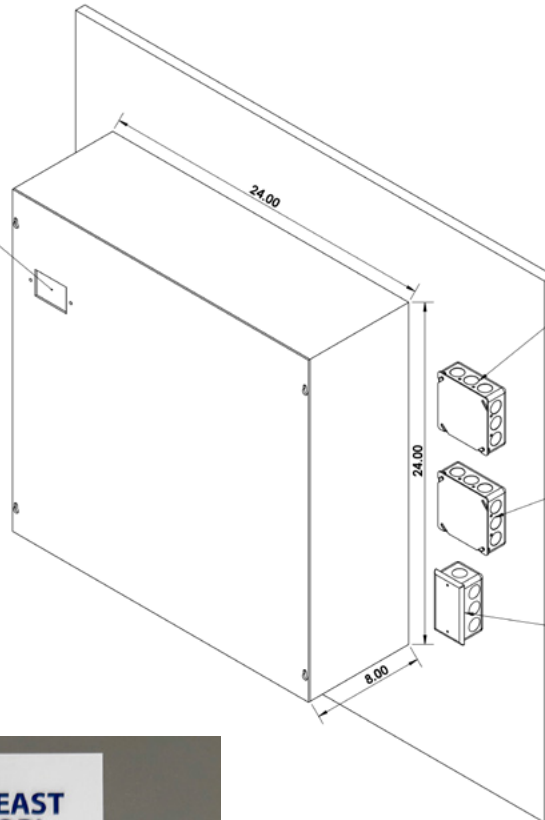
Double stacked 2x12s recommended
with 2x4 end caps running the full vertical length
of the hoistway.
(Solid poured or solid back filled block wall optional)



LH Rails / Rear Motor Attic Shown



**NEW Integrated Disconnect
Elevator Controller**



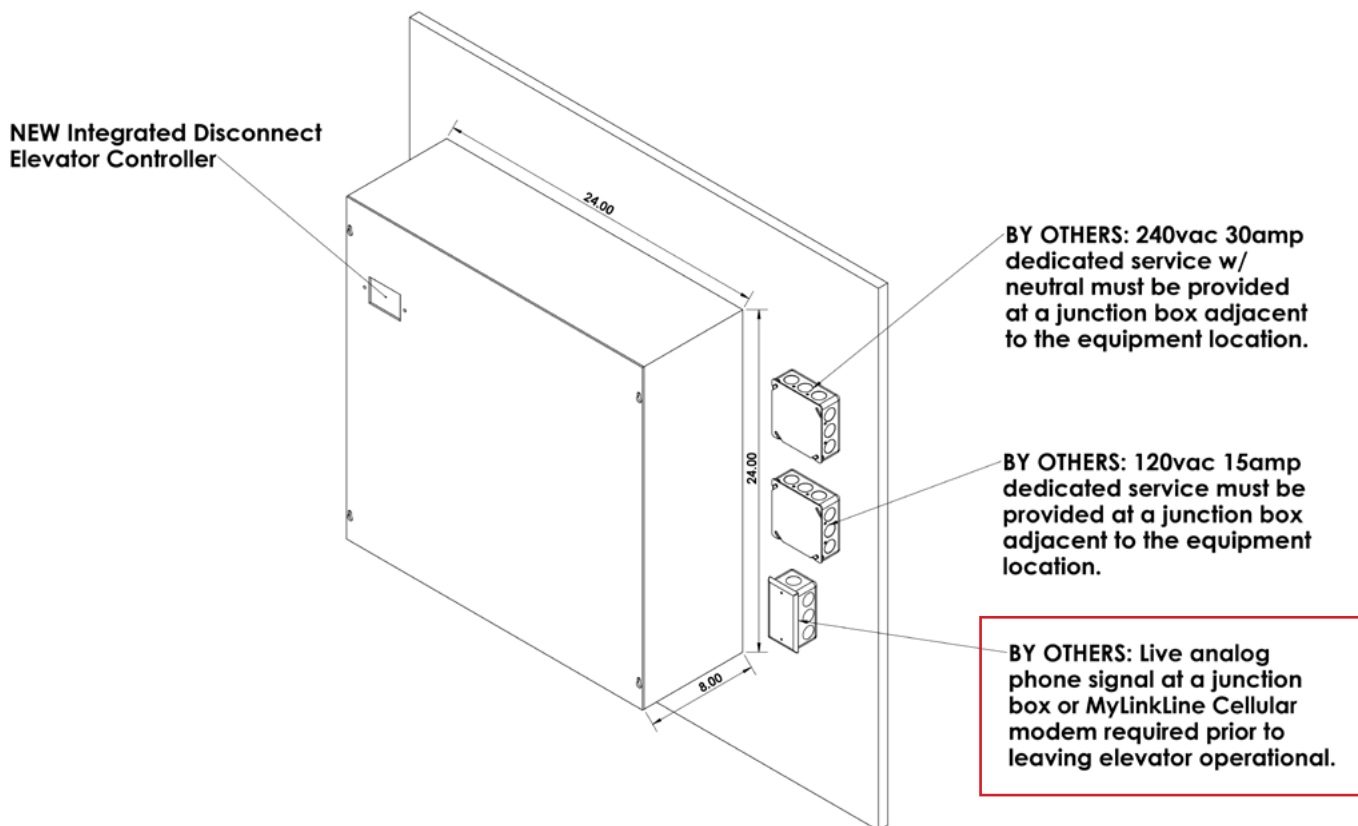
**BY OTHERS: 240vac 30amp
dedicated service w/
neutral must be provided
at a junction box adjacent
to the equipment location.
(10-3 Conductor)**

**BY OTHERS: 120vac 15amp
dedicated service must be
provided at a junction box
adjacent to the equipment
location.
(12-2 Conductor)**

**BY OTHERS: Live analog
phone signal at a junction
box or MyLinkLine Cellular
modem required prior to
leaving elevator operational.**



PHONE REQUIREMENTS



ACTIVE PHONE LINE TO CONTROLLER

Exclusive MyLinkLine promo code for customers of Southeast Elevator: **SOUTHEAST 75**



MORE INFO

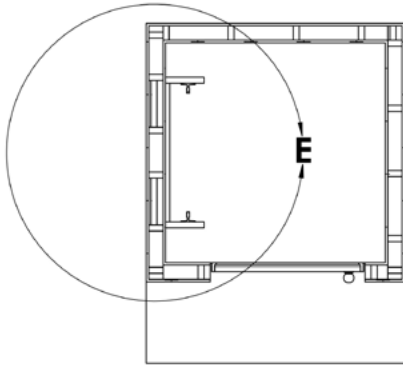
Select any of the following to fulfill the requirements:

- Mylinkline cellular modem w/ battery backup (preferred)
- Ooma Telo LTE cellular modem w/ battery backup (alternate)
- Analog Landline

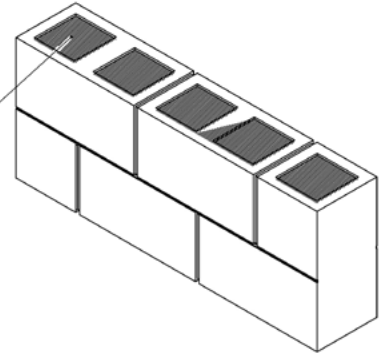
Enjoy complimentary equipment, a lifetime warranty, and a 75% discount on activation fees.



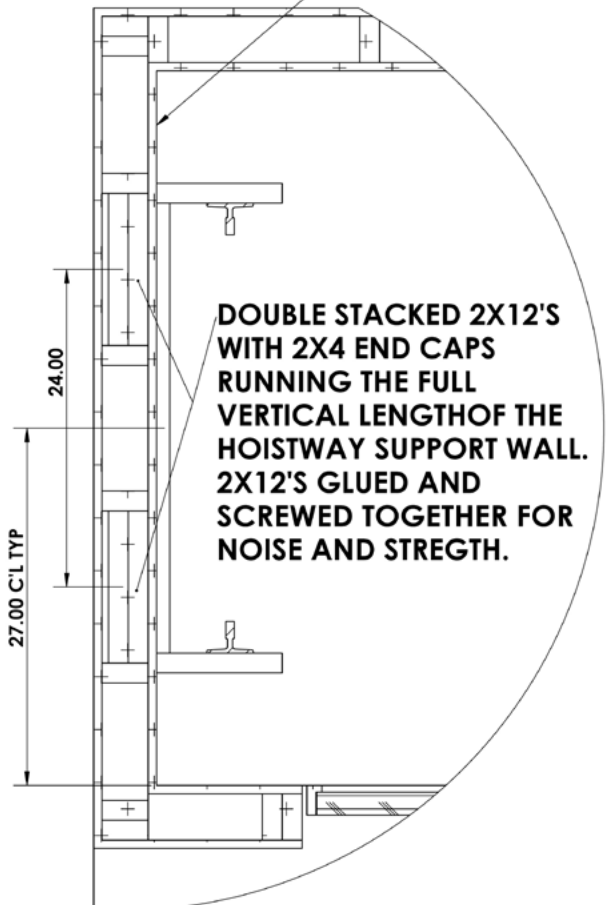
SUPPORT WALL DETAILS



IF SUPPORT WALL IS BLOCK,
BACK FILL ALL CELLS SOLID
FROM TOP TO BOTTOM AT RAIL
STACK LOCATION



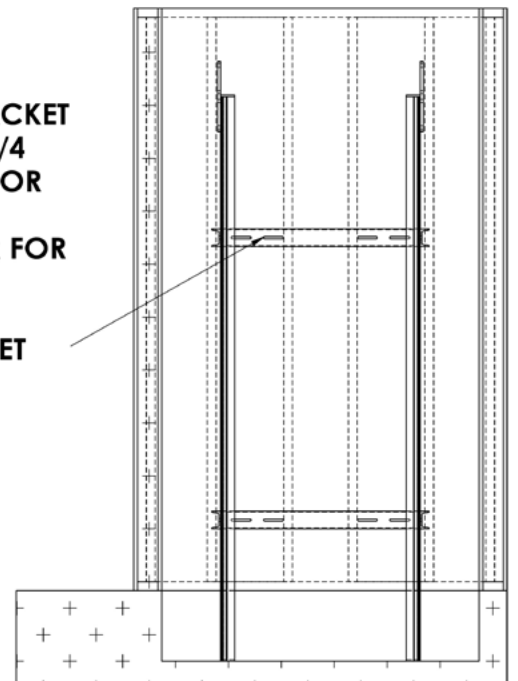
INTERIOR HOISTWAY
WALL TO BE SHEETED
WITH 1/2" PLYWOOD



DOUBLE STACKED 2X12'S
WITH 2X4 END CAPS
RUNNING THE FULL
VERTICAL LENGTH OF THE
HOISTWAY SUPPORT WALL.
2X12'S GLUED AND
SCREWED TOGETHER FOR
NOISE AND STRENGTH.

ATTACH RAIL BRACKET
VIA MIN 3/8 X 3 1/4
LAG FOR WOOD OR
MIN 3/8 X X 3 1/2
WEDGE ANCHOR FOR
CONCRETE

(4) TOTAL/BACKET



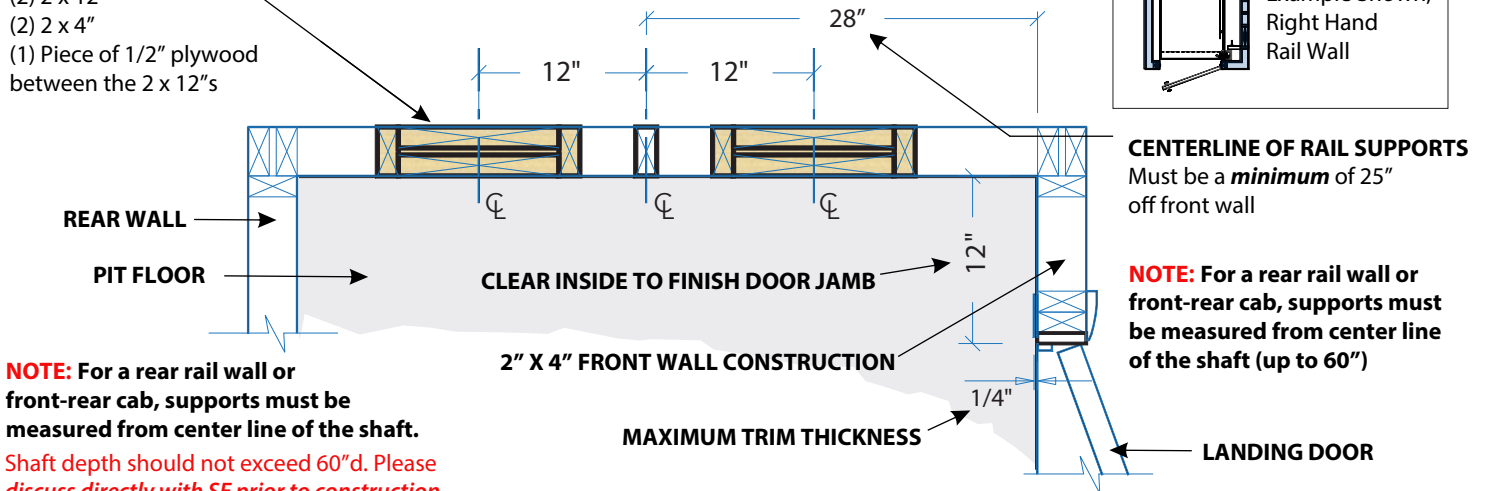
DETAIL E



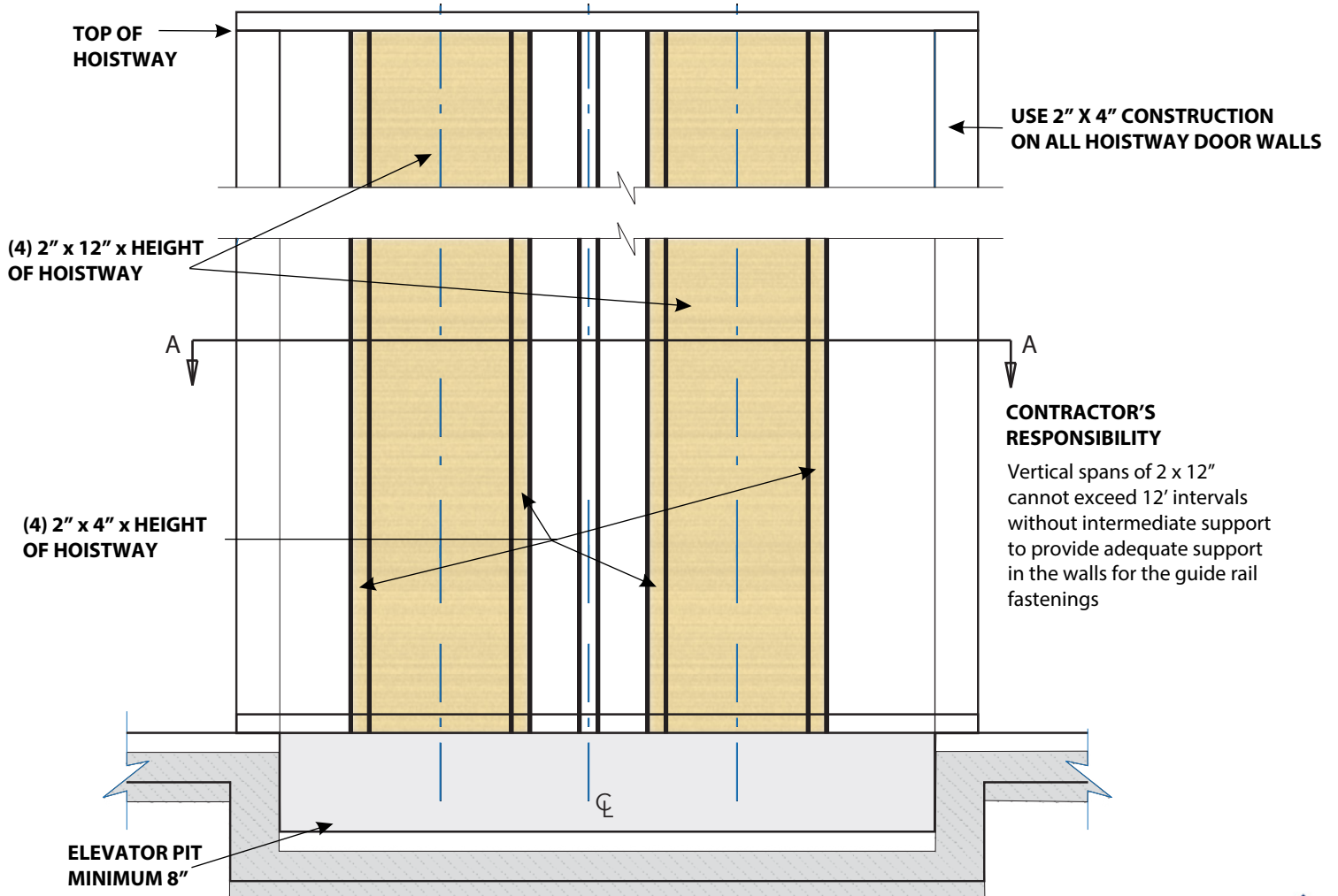
Every vertical support stack must have:

- (2) 2 x 12"
- (2) 2 x 4"
- (1) Piece of 1/2" plywood between the 2 x 12"s

OVERHEAD VIEW

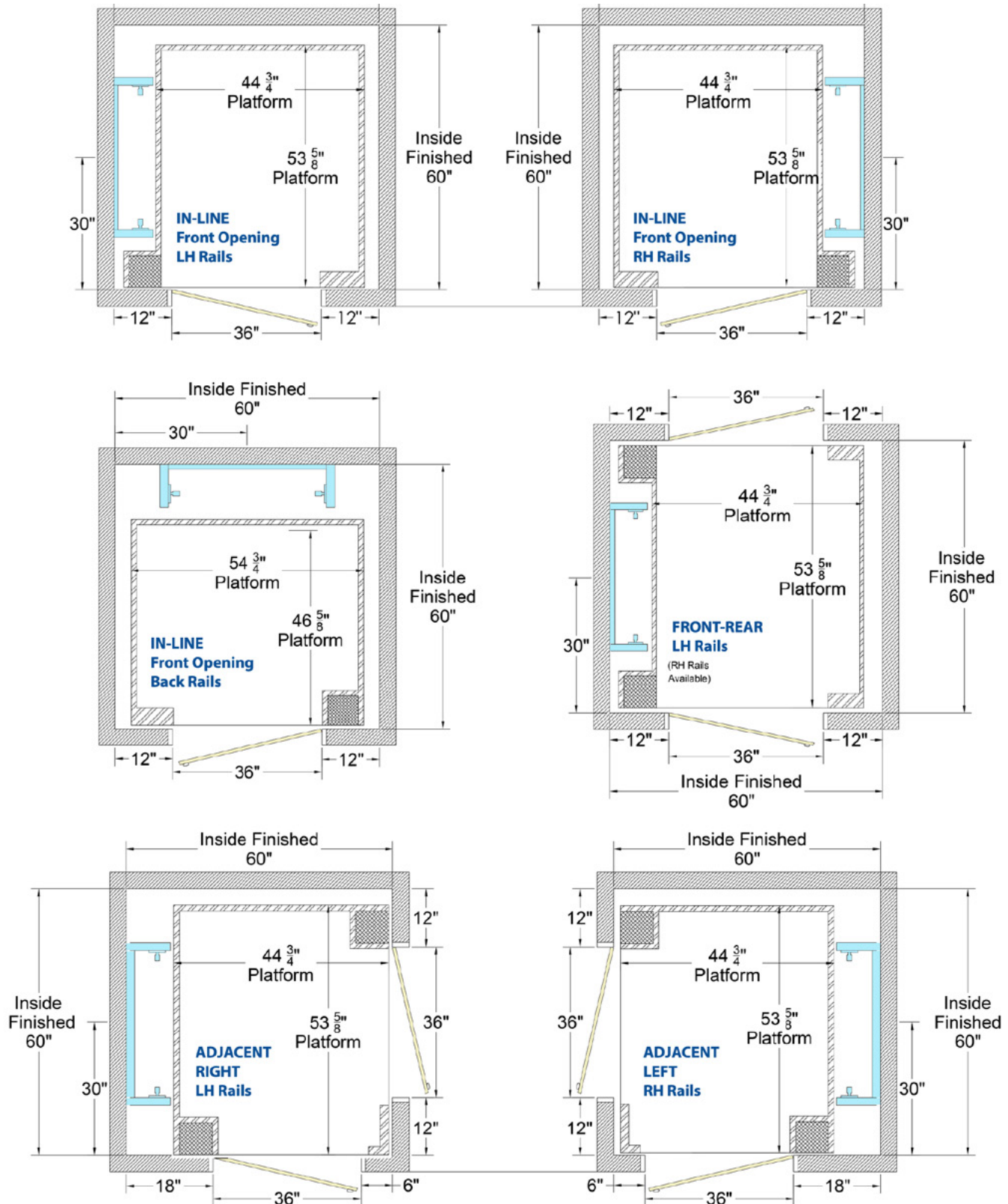


ELEVATION



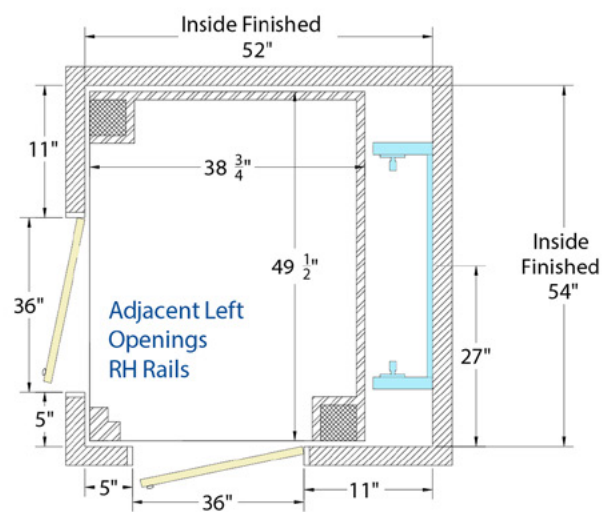
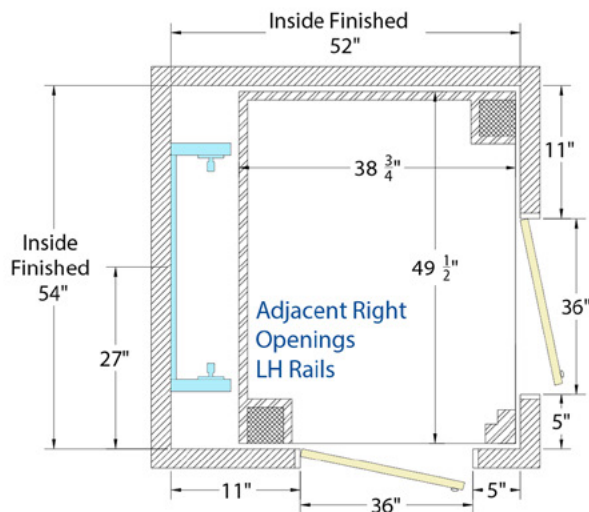
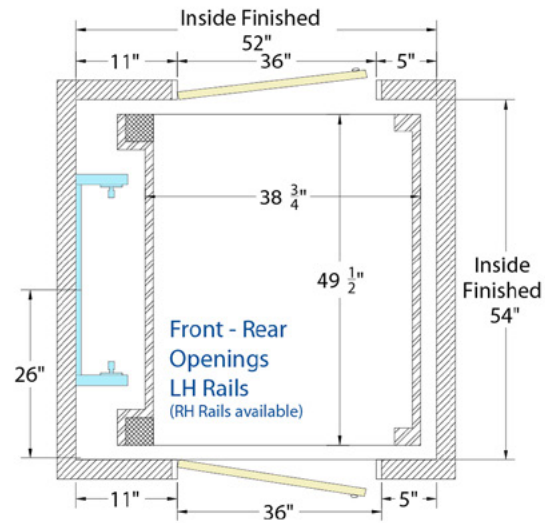
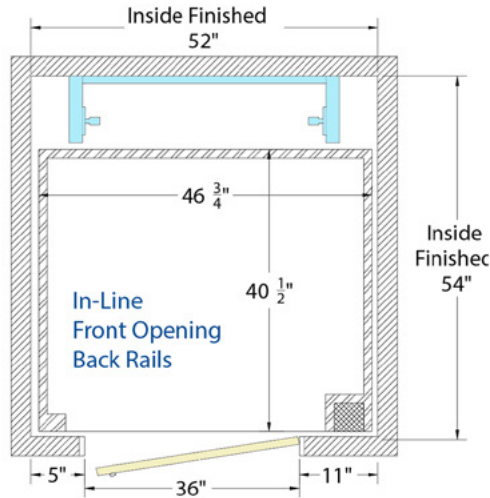
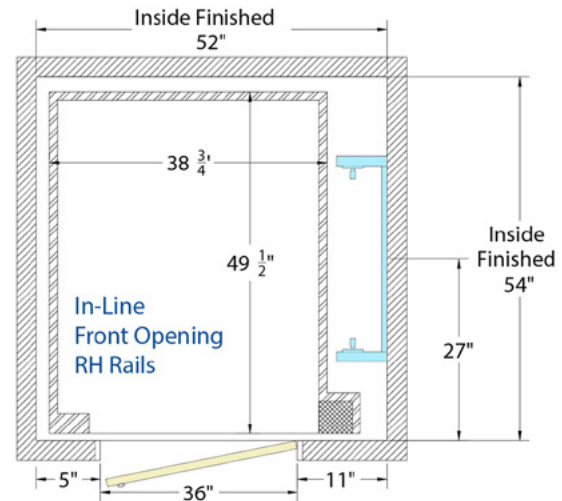
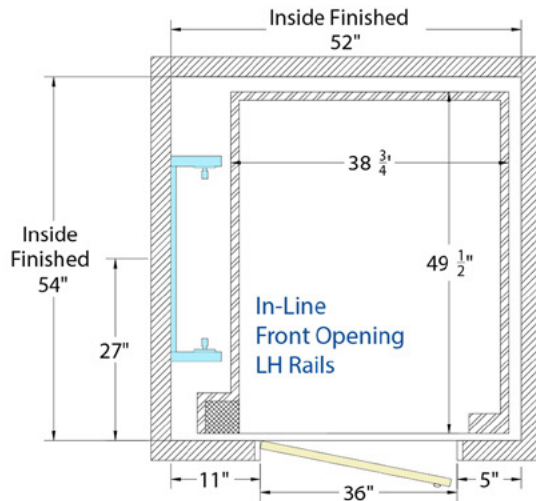
RIGHT HAND RAIL SUPPORTS SHOWN
(Left hand is opposite)





NOTE: Shaft sizes can vary. Shown as recommended 60 x 60" shaft size.

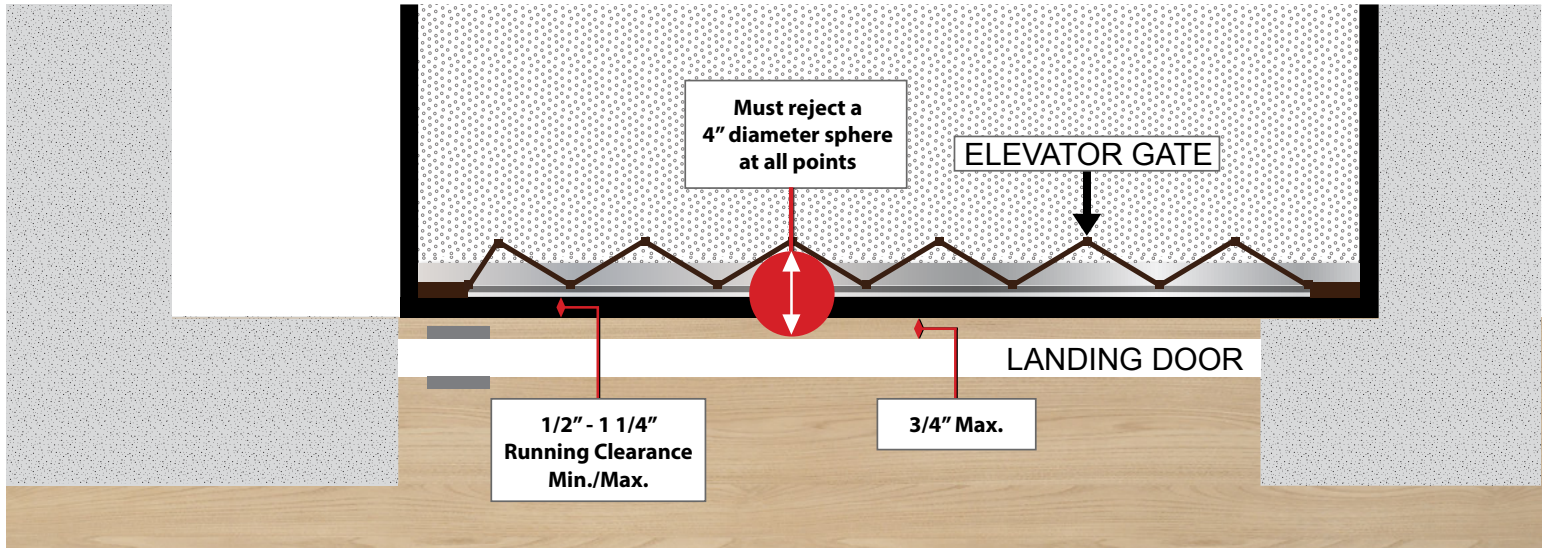




NOTE: Shaft sizes can vary. Shown as minimum W x D shaft size.



This only applies to homes with elevators that have swing-style landing doors.



This is a safety issue where some home elevators with swing-style landing doors have a hazard where it is possible for young children to get trapped between the landing door and the elevator cab gate.

This is a code requirement in Florida. ASME ANSI A17.1-2019 National Safety Code for Elevators - Section 5.3 Private Residence Elevators as modified by various states.

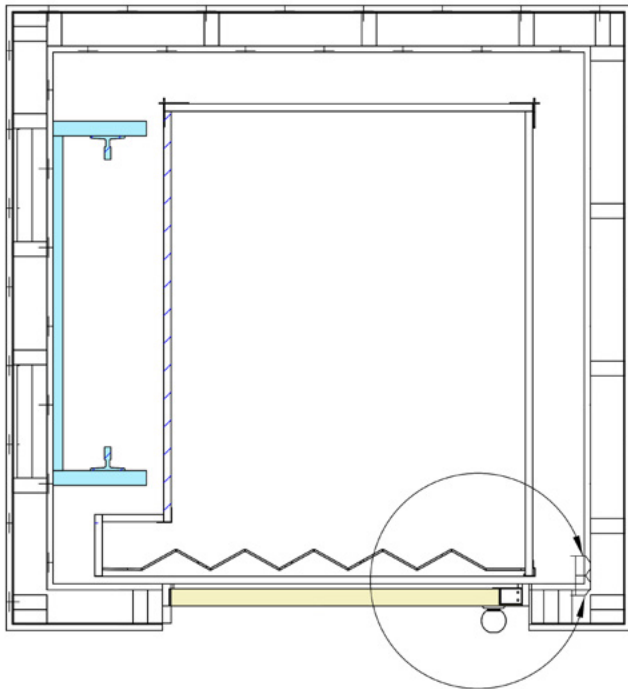
A17.1 National Safety Code for Elevators - Section 5 - 2016 Edition

5.3.1.8.3 Clearances between hoistway doors and car door or gates must not exceed 3/4"

5.3.1.7.2 Clearance Between Hoistway Doors and Landing Sills

The distance between the hoistway face of the hoistway doors and the hoistway edge of the landing sill shall not exceed 19 mm (0.75 in.) for swinging doors.

- All swing doors must comply with ASME 17.1, National Elevator Code, and FBC 3x5 rule as required by local jurisdiction.
- Consult factory for changes to door swing or offset location.
- See Rail Bracket Detail sheet for anchoring and support details.
- See Electrical Requirements Sheet for electrical requirements.

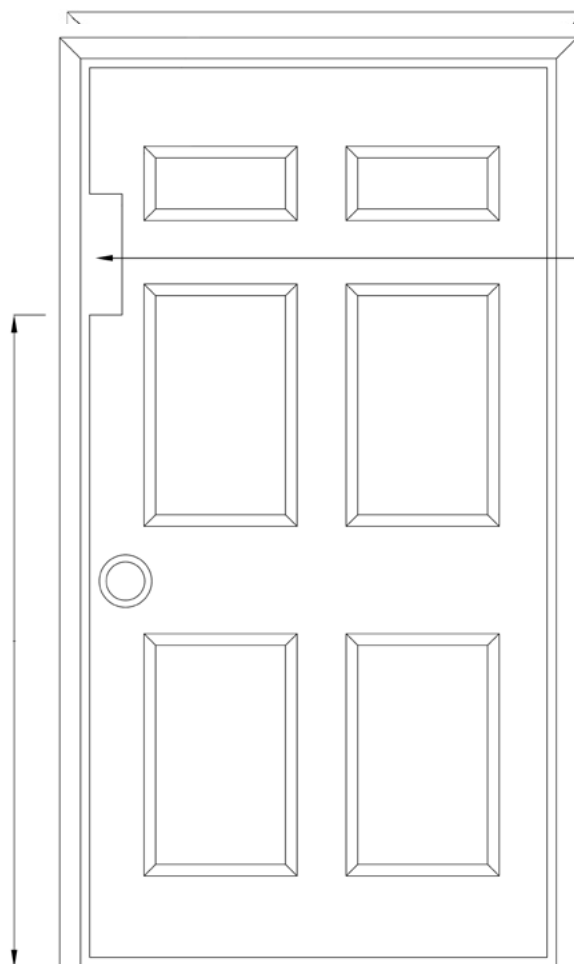


NOTCH COVER PLATE

for door interlock
supplied by Southeast Elevator



Cut height from bottom of door:
73" For doors 86" - 108"
67" For doors 80" - 85"


DETAIL:

Cut $2\frac{1}{2}$ " x 11"
notch in the door
for the interlock

NOTE:
Shaft doors are required to be solid core.



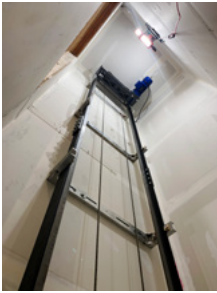
BUILDER RESPONSIBILITIES — WORK TO BE DONE BY OTHERS

ALL ITEMS BELOW MUST BE COMPLETED PRIOR TO SCHEDULING THE ELEVATOR INSTALLATION

Detailed spec sheets for each item listed below can be found in the Southeast Elevator Resource Library

1

RAIL WALL



Block:
Backfill all cells solid from top to bottom at rail stack location.

Wood:
Double stacked 2x12's with 2x4" end caps running the full vertical length of the hoistway (inside the wall).

2

PERMANENT POWER – ELECTRICAL REQUIREMENTS

Main Power
Junction Box
Cab Light
Junction Box
Phone Line
Junction Box



Select any of the following to fulfill the **phone line requirements**:

- Mylinkline cellular modem w/ battery backup (preferred)
- Ooma Telo LTE cellular modem w/ battery backup (alternate)
- Analog Landline

Main Power: 240vac 30amp dedicated service must be provided at the junction box adjacent to the proposed elevator equipment location.

Cab Lights: 120vac 15amp dedicated service must be provided at the junction box adjacent to the proposed elevator equipment location.

3

SHAFT DOOR



Solid core door. Inset, flush-mount to meet door code.

3/4" rule as specified by: ASME A17.1 - 2016

4

SHAFT DOOR HARDWARE



Recessed door handle with standard latch, or equivalent.

Cannot exceed 3/4" thickness on interior side.

5

SHAFT DOOR NOTCH

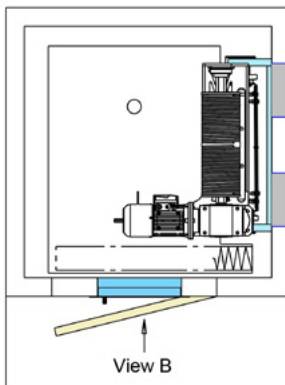


2 1/2" x 11" Notch cut in the door for the interlock.

Door height	Cut height from bottom of door
80" - 84"	67"
86" - 108"	73"

6

WINDING DRUM ACCESS PANEL



Access Panel:
16" x 18" Minimum
24" x 24" Maximum

RH Rails / Front Motor Shown



SPEC SHEET RESOURCE LIBRARY

Accordion Gate

A folding interior gate that closes and travels with the elevator.

Adjacent Opening

A cab configuration with doors on two sides at a 90-degree angle. Also called a 90-degree opening.

Automatic Gate Opener

A device that automatically opens and closes an accordion gate.

Battery Backup

A built-in safety feature that activates during a power outage. Powers lights and lowers the cab to the nearest landing for safe exit.

Cab (Car)

The enclosed platform where passengers ride.

Cab Configuration

The layout of doors on the elevator cab: inline, adjacent, or front and rear (pass-through).

Car Operating Panel (COP)

The control panel inside the cab used to select floors and operate lights, optional key lock, and emergency features.

Car Sling

The structural frame that supports the elevator cab and its contents inside the hoistway.

Commercial-Style Doors

Heavy-duty, stainless steel or glass elevator doors, like automatic sliding doors found in commercial buildings.

Controller

The computerized system that manages elevator movement, door operation, and safety features.

Door Lock

A mechanical safety device that prevents a landing door from opening unless the elevator cab is present at that floor. Ensures that passengers cannot access the open shaft.

Drive System

The mechanical system that powers the elevator. Southeast Elevator offers electric winding drum and hydraulic systems.

Elevator Code Compliance

Southeast Elevator systems meet all local and national codes, including ASME A17.1 standards.

Emergency Telephone

A phone located in the elevator cab for contacting emergency services or a designated number if needed. Code compliance requirement.

Equipment Area

A space that houses the controller and a hydraulic elevator's motor.

Fixtures

Light rings, handrail, COP, hall call button.

Fixture Finish

The selected material and color of hardware components like buttons and handrails. Available in various finishes.



Front and Rear (Pass-Through)

A cab configuration with doors on opposite sides of the cab, allowing entry and exit in a straight line.

Gate

The interior barrier that closes off the cab entrance during operation. It moves with the elevator as it travels. Common types include accordion gates and scissor gates. Elevator gates prevent access to the shaft while the cab is in motion and must be fully closed for the elevator to operate.

Hall Station

A button panel located outside the elevator at each landing used to call the elevator to that floor.

Handrail

A horizontal rail inside the cab for passenger support and stability. Comes in various finishes.

Hoistway

The vertical shaft in which the elevator cab travels. Built of wood or block depending on the structure.

Hydraulic Drive System (Roped)

A quiet, residential elevator system that uses a combination of hydraulic power and steel cables to move the cab. A hydraulic piston raises and lowers a sheave (pulley), which moves ropes attached to the elevator cab.

Inline Opening

A cab configuration with a single opening to the cab.

Interlock

A mechanical safety device that prevents a landing door from opening unless the elevator cab is present at that floor. Ensures that passengers cannot access the open shaft.

Landing Door

A swing-style door at each floor, designed to match the home's interior and to prevent shaft access when the elevator is not present.

LED Lighting

Energy-efficient lighting used inside the cab. Bright, low-heat, and long-lasting.

Machine Room (Equipment Area)

A space that houses the controller and a hydraulic elevator's motor.

Overhead Clearance

The vertical space above the cab required for safe elevator operation.

Overhead Winding Drum

A compact drive system that uses steel cables wound on a drum to move the cab. Often machine room-less, known for being space-efficient and mechanically straightforward, winding drum elevators are a popular choice for residential use. Southeast Elevator specializes in overhead winding drum systems for their reliability, quiet operation, and low maintenance needs.

Piston

In a hydraulic elevator system, the piston is a solid metal rod housed inside a cylinder. When hydraulic fluid is pumped into the cylinder, it pushes the piston upward, lifting the elevator cab. As fluid pressure is released, the piston lowers, allowing the cab to descend smoothly.



Pit

A shallow recessed area beneath the lowest landing. Houses safety equipment and provides cab clearance.

PVE (Pneumatic Vacuum Elevator)

A self-supporting elevator system that moves the cab using air pressure in a clear tube. Compact and ideal for retrofits.

Rated Load Capacity

The maximum weight the elevator can carry, typically 950 lbs for residential systems.

Roped Hydraulic System

A type of hydraulic elevator that uses a combination of a piston and cables to move the cab. Instead of pushing the cab directly, the hydraulic piston raises and lowers a sheave, which moves the ropes attached to the cab. This setup allows for greater travel distance with a shorter piston and a more compact installation. Southeast Elevator uses roped hydraulic systems for smoother rides, space efficiency, and reliable performance in residential settings.

Scissor Gate

A collapsible metal gate made of intersecting steel arms.

Service Disconnect

The main elevator power switch located within or near the controller.

Shaft

The vertical space or structure that the elevator cab travels through. Also called the hoistway. Can be built of framed wood or concrete block depending on the home's construction and local code requirements.

Sheave

A grooved wheel (pulley) that guides and supports the elevator cables.

Sill

The threshold at the entrance to the elevator cab and each landing. Made of durable metal, the sill bridges the gap between the landing floor and the elevator cab floor.

Stacked Closet Design

Closets aligned vertically on each floor, pre-planned to convert into a future elevator shaft.

Travel Distance

The total vertical distance the elevator travels between the lowest and highest landings.

Wall Panel Style

The material and design of the elevator's interior walls. Available in flat, raised, or recessed styles in various finishes.

Winding Drum

A compact drive system that uses steel cables wound on a drum to move the cab. Often machine room-less, known for being space-efficient and mechanically straightforward, winding drum elevators are a popular choice for residential use. Southeast Elevator specializes in winding drum systems for their reliability, quiet operation, and low maintenance needs.



811 Edwards Road Fort Pierce, FL 34982

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