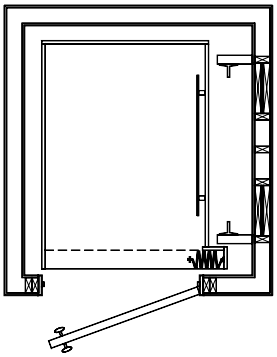
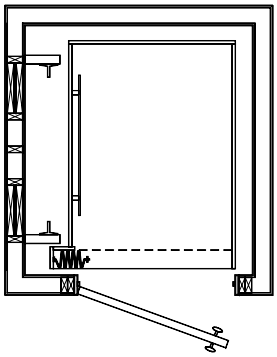
ATTENTION FRAMERS:

This home is receiving a home elevator which will require structural support for the elevator rail system and loads built into the framing of this elevator shaft.
Attached are two detailed drawings showing the layout and material needed to support this load.

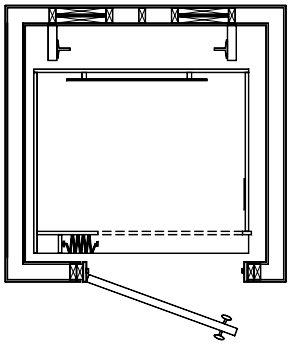
For this project the Rail Support Wall is located on the:



☐ Right Hand Wall



☐ Left Hand Wall



☐ Rear Wall

(Always orient the rail wall from the lowest level served by elevator)

The rail wall the blocking is installed in shall remain free of plumbing and electrical lines.

If this can not be avoided, the lines must be routed around or behind the blocking placed in the wall, and clearly marked by the GC.

The GC will be responsible for any damage to any plumbing or electrical lines placed in the blocking wall.

If you have any questions or comments,

you can call me, _____ at _____

I have stapled this document to the wall that will require the structural support.

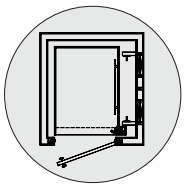
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HOR03

ELEVATOR SHAFT STRUCTURAL REQUIREMENTS

LLT & LLH



Right Hand Rail Wall (Shown)

Each vertical support stack shall have:
(2) 2" x 12"
(2) 2" x 4"
(1) piece 1/2" plywood between 2 x 12's

OVERHEAD VIEW

28"

12" 12"

CENTERLINE OF RAIL SUPPORTS MUST BE MIN. 28" OFF FRONT WALL

REAR WALL

PIT FLOOR

CLEAR INSIDE TO FINISH DOOR JAMB

12"

Note: If a rear wall rail or a front & rear opening cab (pass thru) - supports to be measured from center line of shaft.

SECTION A - A

FRONT WALL 2" x 4" CONSTRUCTION

1/4"

MAXIMUM TRIM THICKNESS

LANDING DOOR

Note: If rear wall rail or front & rear wall applications - supports to be measured from center line of shaft

TOP OF HOISTWAY

ON ALL HOISTWAY DOOR WALLS OF SHAFT, ALWAYS USE 2" x 4" CONSTRUCTION.

(4) 2 x 12 x HEIGHT OF HOISTWAY

A A

(4) 2 x 4 x HEIGHT OF HOISTWAY

CONTRACTOR RESPONSIBILITY

TO ENSURE ADEQUATE SUPPORT IN WALL FOR GUIDE RAIL FASTENINGS, VERTICAL SPANS OF 2 x 12 's SHALL NOT EXCEED 12' - 0" INTERVALS WITHOUT INTERMEDIATE SUPPORT

ELEVATOR PIT MIN. 8" (10" for EON Doors)

Right Hand Rail Supports Shown
(Left Hand Opposite)

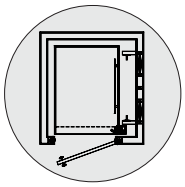
ELEVATION

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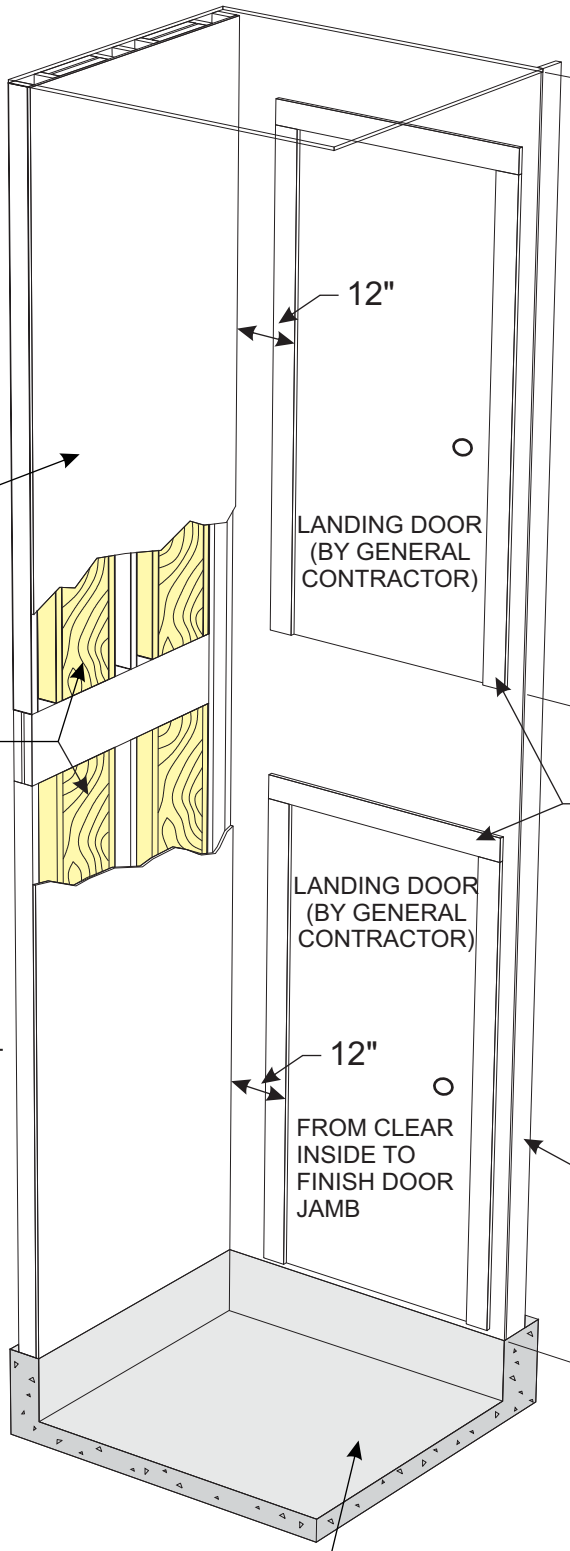
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HOR02 Hoistway / Pit Details LLT & LLH

NOTE:
ALL WORK TO BE DONE BY GENERAL CONTRACTOR



Right Hand Rail Wall (Shown)



OVERHEAD CLEARANCE REQUIREMENTS

TRACTION
96" MIN. FOR Std. CAB HEIGHT
102" FOR 7'-4" Cab Height
110" MIN. FOR 8'-0" CAB HEIGHT

HYDRAULIC
96" MIN. FOR 6'-8" CAB HEIGHT
100" MIN. FOR 7'-4" CAB HEIGHT
108" MIN. FOR 8'-0" CAB HEIGHT

LANDING TOP FLOOR

TRIM ON BACKSIDE OF DOOR NOT TO EXCEED 1/4"

TOTAL TRAVEL

ON ALL HOISTWAY DOOR OPENING WALLS OF SHAFT, ALWAYS USE 2" x 4" CONSTRUCTION.

BOTTOM FLOOR LANDING

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