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)

If you have any questions or comments, you can call me, ___________________ at _______________

Thank you.

I have stapled this document to the wall that will require the structural support.
Each vertical support stack shall have:
- (2) 2" x 12"
- (2) 2" x 4"
- (1) piece 1/2" plywood between 2 x 12's

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

OVERHEAD VIEW

SECTION A - A

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

A

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.

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Note:
All work to be done by general contractor.

12'-0" maximum for vertical supports without intermediate support.

Plywood (preferred) or drywall. (Local authority having jurisdiction may have additional requirements.)

Vertical 2 x 12's and 2 x 4's by general contractor.

12'-0" maximum for vertical supports without intermediate support.

8" pit depth minimum.

Reinforced concrete slab required to withstand the following impact loads -

Traction - 5100 lbs.
Hydraulic - 3900 lbs.

Top floor landing.

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.

Overhead clearance requirements:

Traction:
102" min. for std. cab height
114" min. for 8'-0" cab height

Hydraulic:
96" min. for 6'-8" cab height
108" min. for 8'-0" cab height

HOR02 - Hoistway / Pit Details
LLT & LLH

Elevator pit