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.
ELEVATOR SHAFT STRUCTURAL REQUIREMENTS

CONTRACTOR RESPONSIBILITY

Right Hand Rail Supports Shown (Left Hand Opposite)

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

August 2016
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HOISTWAY / PIT DETAILS

12" MAXIMUM FOR VERTICAL SUPPORTS WITHOUT INTERMEDIATE SUPPORT

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

12' - 0" MAXIMUM FOR VERTICAL SUPPORTS WITHOUT INTERMEDIATE SUPPORT

PLYWOOD (PREFERRED) OR DRYWALL

VERTICAL 2 x 12's AND 2 x 4's BY GENERAL CONTRACTOR

PIT 8" MIN. 2017 Code
PIT 10" MIN. 2016 Code

OVERHEAD CLEARANCE REQUIREMENTS

LUXURY LIFT TRACTION UNIT - 5100 LBS.

TOP FLOOR LANDING

LANDING DOOR (BY GENERAL CONTRACTOR)

LANDING DOOR (BY GENERAL CONTRACTOR)

TOTAL TRAVEL FROM CLEAR INSIDE TO FINISH DOOR JAMB

FROM CLEAR INSIDE TO FINISH DOOR JAMB

12" - 0" MAXIMUM FOR VERTICAL SUPPORTS WITHOUT INTERMEDIATE SUPPORT

FRONT WALL OF SHAFT (ALWAYS USE 2" x 4" CONSTRUCTION ON FRONT WALL OF SHAFT TO AVOID 3/4" x 4" CODE VIOLATION - SEE 3/4" X 4" RULE ON PAGE 4)

BOTTOM FLOOR LANDING

REINFORCED CONCRETE SLAB REQUIRED TO WITHSTAND THE FOLLOWING IMPACT LOAD:

LUXURY LIFT TRACTION UNIT - 5100 LBS.

NOTE:
ALL WORK ABOVE TO BE BY GENERAL CONTRACTOR

RESIDENTIAL ELEVATORS
Elevating your standard of living

August 2016
Home Elevator 3/4” x 4” Rule

Residential Elevators manufactures and installs a fully code compliant elevator per the ASME ANSI A17.1 National Safety Code for Elevators - Section 5.3 Private Residence Elevators as modified by various states.

ASME 5.3.1.7.2 of the above referenced code Clearance Between Hoistway Doors or Gates and Landing Sills and Car Doors or Gates and 2016/17 And Supplement “Code Fixes” to Florida Building Code Section R321.4 Clearance Requirements between elevator doors for elevators inside a private residence state: The clearance between the hoistway doors or gates and the hoistway edge of the landing sill shall not exceed 3/4 inches. The distance between the hoistway face of the landing door or gate and the car door or gate shall not exceed 4 inches.

**Note:** Concrete block / masonry shafts and some commercial metal door frames can often create Rule violations.

This is a code requirement. Residential Elevators takes pride in ensuring safety in the use of their equipment and as a policy wants to make sure all Builders, Architects, Developers, Owners / Users are aware of and adhere to this Code requirement.

**This is a safety issue.**