**Weight Of Mobility**

Created: 05/21/2023 by Tom Lever

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The width of Mobility is approximately 300 in.

The depth of Mobility is approximately 300 in.

The height of the first floor is approximately 7.5 + 0.75 + 96 in.

The pitch of the roof of Mobility may be 8/12 (i.e., the roof rises 8 inches for every 12 inches front to back).

The rakes of the roof of Mobility are approximately equal.

The area of the roof is approximately 751.156 square feet.

Per “Structural Design Loads for One- and Two-Family Dwellings” (chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.huduser.gov/publications/pdf/strdesign.pdf), Table 3.0a: Typical Dead Loads For Common Residential Constructions, roof construction consisting of light wood, sheathing, and gypsum board ceiling with asphalt shingles has a dead load of 15 pounds per square foot.

The dead load of the roof of Mobility is approximately 11,267.34 pounds.

Light-frame wall construction consisting of interior partitions of 2x4’s at 16 inches on center with 0.5 inch gypsum board applied to both sides is 6 pounds per square foot.

There are two 3 foot tall knee walls on the second floor of Mobility.

There is the equivalent of one 8 foot tall lateral wall on the second floor of Mobility.

There are two 8 foot tall stairwell walls on the second floor of Mobility.

There is the equivalent of one 8 foot tall front to back wall on the second floor of Mobility.

The area of the knee walls is 2 \* 3 \* 25 = 150 square feet.

The area of the lateral wall is 8 \* 25 = 200 square feet.

The area of the stairwell walls is 2 \* 8 \* 25 = 400 square feet.

The area of the front to back wall is 8 \* 25 = 200 square feet.

The area of the light-frame construction on the second floor of Mobility is 950 square feet.