

THE MULTI CUBE

WOODEN FOUNDATION BASE PLAN • PART 1

EASY TO BUILD BASE PLAN

Wood Foundation Base:

The following plan is intended to assist you in building a wooden foundation base frame for the model structure you have purchased above.

This wooden base plan is sized 122.25" wide x 122.25" deep to fit the footprint of your structure exactly.

We recommend using pressure treated lumber minimum 2" x 6" profile to build this wooden base foundation.

- If you wish to incorporate any outdoor deck space such as a front or side porch area to your foundation base you will still need to provide support footings to the structures footprint.
- It may be wise to add your extra porch space after you have finished your structure assembly.

Footings:

Ultimately It's up to you to decide on the optimal footing method you need to suit your particular building site conditions. The amount of footings you will need depends largely on the grade, soil and general site conditions. We provide a rough guide below to illustrate the quantity of footings commonly used for a foundation base of this size. Explore all your options and choose the best type of footing and quantity to suit your own sites grade and soil conditions.

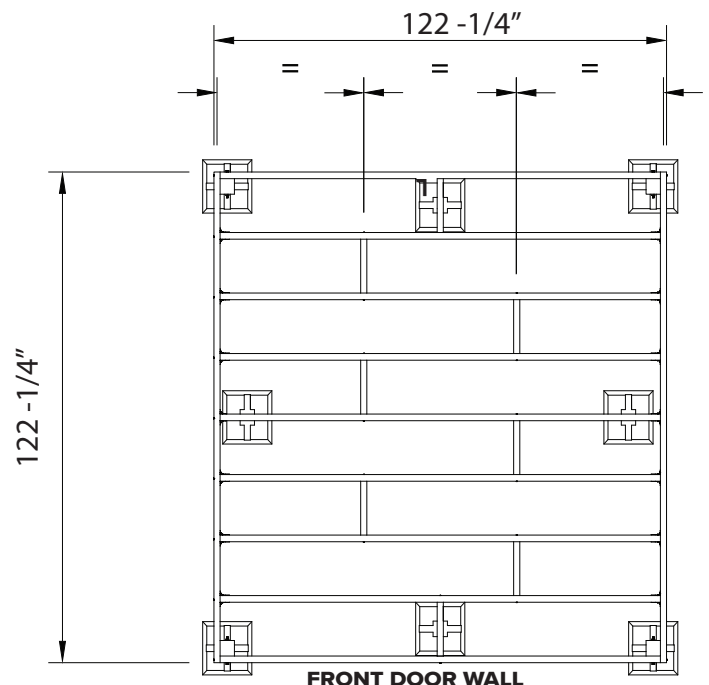
FOOTINGS REQUIRED BASED ON COMMON FOOTING SOLUTIONS AS FOLLOWS.

- **Pre cast cement deck block on grade:** Typically 6 - 8 footings required on top of a well packed layer of lime stone.
- **Titan deck foot anchor system:** (DIY SCREW PILE SYSTEM)Typically 4- 6 footings required
- **Concrete filled Sono tubes:** Typically 6 footings required
- **Professional Installed Screw pile:** Typically 4 - 6 footings required

Resting your foundation base on your footings may require you to use either 4" x 4" or 6" x 6" pressure treated vertical posts to achieve level. Attaching the wooden foundation base to the posts can be done by notching each top post end so the base rests in the notch area to carry the foundation base load to the footing. You will then need to fasten the base to the post using lag bolts to secure it. Other methods do exist to join these two parts together decide what you feel is best to support the weight.

QUICK OVERVIEW

- **WOOD BASE OUTSIDE MEASUREMENT: 122- 1/4" x 122 -1/4"**
- **STRUCTURE WEIGHT: 2800 lbs**
- **JOIST SPACING: APPROX 13 " ON CENTER**
- **JOIST DIRECTION: 122- 1/4" WAY**
(**SQUARE BASE SO YOU CAN CHOSE ANY DIRECTION**)
- **FOOTINGS: 4 TO 8 LOCATED AT PERIMETER**
(QTY DEPENDANT ON YOUR FOOTING CHOICE)
- **MATERIAL: 2" x 6" or 2" x 8" PRESSURE TREATED LUMBER**



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WOODEN FOUNDATION BASE PLAN • PART 2

MATERIAL LIST

WOOD BASE OUTSIDE MEASUREMENT: 122- 1/4" x 122 -1/4"

Suggested lumber to build with is 2" x 6" or 2" x 8" pressure treated.

MATERIALS REQUIRED

- 2 pcs of 122-1/4" long - 2" x 8" pressure treated lumber cut to size
- 13 pcs of 119-1/4" long - 2" x 8" pressure treated lumber cut to size
- 10 pcs of blocking 2" x 8" pressure treated lumber cut to size
- 20 pcs 3" long #8 deck screws to fasten blocking
- 18 joist hangers for 2" x 8" lumber
- 1.25" nails or screws to secure joist hangers.

OPTION:

In place of joist hangers you can use the following to secure joists to frame and corners 4" GRK Brand R.S.S Screws (rugged structural screws) two or three screws for each joist side available at most hardware stores

FOOTINGS:

Approx footings required based on common footing solutions as follows.

- **Pre cast deck block on grade:** usually 6 -8 footings on top of well packed lime stone.
- **Titan deck foot anchor system:** (DIY SCREW PILE SYSTEM) usually 4- 6 footings
- **Concrete filled Sono tubes:** usually 4- 6 footings
- **Professional Installed Screw pile:** usually 4 - 6 footings

• JOIST SPACING: 12.7" ON CENTER**• JOIST DIRECTION: PARALLEL TO FRONT DOOR OR SIDE WALL (SQUARE BASE SO EITHER IS FINE)**