

[Geodesic Dome Home Plans](#)

Please scroll down this page to view American Ingenuity's stock geodesic dome home plans by dome size. These plans show locations for kitchen, dining room, living room, bedrooms, bathrooms, etc. Prior to deciding on a dome size or specific floor plan, please read [Things To Consider](#), [Budget](#) and [Loan Approval](#).

Ai can design any of the dome sizes to be utilized for a commercial or business use. Please call 321-639-8777 for commercial plan pricing.

If you do not see a stock plan to fit your lifestyle, Ai can design modified or custom dome plans from your sketches and notes at the same discount as our stock plans which is currently a [25% discount](#). To learn about how to use floor planners and revise the plans, click on [Getting Started](#), [Revising Stock Plans](#), and [Planners](#).

Below are all the stock plans that Ai has available for the 15', 18', 22', 27', 30', 34', 36', 40' & 45' domes. Ai's CAD department is in the process of revising other 48' plans that are not shown below. Any of American Ingenuity's dome homes can be designed without an attic/loft. **The 15, 18', 22' and 40' dome sizes have floor plans showing only one story; however any of the dome sizes can be designed without a second floor.** Or all of the second floor can be installed with no high vaulted ceilings over the first floor – each dome's design can be customized to your lifestyle. To see how much of the second floor is designed into the stock plan, please refer to the dashed line and note that says Open To Below. **Ai would love to talk with you and answer your questions. Please call us Mon-Fri 9-5 eastern time at 321-639-8777 for a chat.**

To assist in the understanding of the dome geometry, below you will find floor planners and elevation views for each size dome showing possible locations for installation of your locally purchased doors and windows. During the plans design, Ai emails elevation views of the entryways and dormers showing max width and height with recommended door and window rough opening sizes. You decide the size, number and location of windows and doors that will be installed in your dome's exterior walls.

Your doors and windows are installed under structural awnings called entryways and dormers that extend out from the dome. On the first floor of American Ingenuity's

three frequency dome home kits 30' thru 48', five entryways can be designed to contain doors and windows. Each entryway can contain 2-3 French Doors or large windows or a combination of doors and windows providing ample light and ventilation into your dome house. The second floor of the 27', 34', 36', 40', 45' & 48' domes has five possible locations for a window dormer or door dormer where a single window or single door can be installed. Solar tubes or other companies skylights can be installed into the prefab panels.



[Connecticut 40' Dome Home](#)

**High Vaulted Ceiling over foyer, dining room & living room (not shown)
Within the two standard entryways, the home owner wanted three French
Doors in each.**

BELOW ARE STOCK DOME PLANS IN PDF FORMAT

Simply click on the plan name to print it out. To view the plan on your screen click **on view online**. To view regular pricing and sale pricing on each stock plan and its building kit sale prices, view [Stock Plans & Building Kit Sale Prices](#). Any dome can be designed as a one story home. Any dome can be designed for a business or commercial application. Please call for commercial plan pricing.

American Ingenuity designs the geodesic dome home plans or commercial plans and manufactures ten concrete house kits – sizes from 172 sq.ft. to over 2,992 sq.ft. 15' – 48' Kits consist of prefab concrete component panels which when assembled make the dome's exterior walls and roof. The home owner or their Builder assembles the kit & finishes the interior per the Building Plans. The Prefab Panels includes exterior 3/4" fiber concrete reinforced with galvanized steel mesh, core of seven (7) inch rigid, nontoxic expanded polystyrene (EPS) R-28 insulation (not styrofoam) & interior of half inch special Georgia Pacific DensArmor Plus gypsum drywall. Once the kit is assembled, seam areas between panels contain overlapped, locked galvanized steel mesh filled with on site fiber concrete averaging 2" thick. The concrete/steel/eps/drywall contain no food source for mold growth and are noncombustible.

It is Ai's philosophy that each Buyer pays for only what they need. Building Plans are needed 3 months to 1 1/2 years prior to the kit shipment. About 50% of our client's building departments require engineer sealed plans, calculations & an Energy Report to issue a permit. As a result these items are separate costs from the building kit.

To view the Three Frequency Dome Geometry, American Ingenuity has designed a **Mini-Dome** which can be printed out. It shows the pentagon and hexagon geometry and possible locations for entryways and dormers. To assemble the Mini-Dome print out these two pdfs and follow the directions. Ai's three frequency domes are 30', 34', 36', 40', 45' & 48'. (The 15', 18', 22' & 27' domes are two frequency geometry). The 60' dome is four frequency geometry.



Viewing Tip: To enlarge an image use Ctrl and + on your keyboard.

Use Ctrl and 0 to return to default viewing.

Ctrl = Cmd on Safari

Mini Dome Showing Geometry for Ai's 30' – 48' Geodesic Dome Sizes

PDF for Downloading & Printing

- [Three Frequency Mini-Dome page 1](#)
- [Three Frequency Mini-Dome page 2 & instructions](#)

Online Viewing – Opens in Browser

- [Three Frequency Mini-Dome page 1](#)
- [Three Frequency Mini-Dome page 2 & instructions](#)

How Ai Dome Stock Plans Are Named

American Ingenuity's Dome Plans are named as follows: Ai uses Greek words (Omega, Alpha, Delta) and numbers (21, 22, etc) along with the dome diameter to name our plans. For example 27 Alpha 11: the first two digits are the dome diameter in feet, a Greek word and then a number.

When floor plan layouts will not fit on one page, then you will find that plan name twice or three times depending on the number of pages needed for that layout with FP1 and FP2 and possibly FP3 at the end. Even though a plan says basement option, you do not need to purchase the basement plans unless your dome will be built on a [basement](#). For Foundation Summary click on [Summary](#).

Ai can convert its building plans to the metric system for a small fee.

To view a Chart Showing Sale Pricing for Each Stock Plan & Its Dome Kit

click on [Stock Plans & Kit Sale Prices](#)

American Ingenuity's Stock Dome Plans

Below are all the stock plans that Ai has available for the 15', 18', 22', 27', 30', 34', 36', 40' & 45' domes. Ai's CAD department is in the process of revising other 48' plans that are not shown below. Any of American Ingenuity's dome homes can be designed without a second floor or the second floor can be completely designed in and a [rail chair](#) installed if needed to access the second floor. To see how much of the second floor is designed into the stock plan, please refer to the dashed line and note that says **Open To Below**. To view an article that contains plans for one story residence for the 15', 18', 22' and 40' domes, view [One Story](#).

If you want to look at only plans with a bedroom on the first floor that can be utilized as master bedroom or a first floor bedroom that is labelled master bedroom, we have added the words **bedroom 1st floor** or **master 1st floor** at the end of that plan's name.

15' Dome Stock Floor Plans – 4.61 Meter Dome

15' Dome: one bedroom one bath Tiny Home with first floor of 172 max square feet. (17.04 sqm) The dome kit comes with standard 7" R28 insulation, standard four foot risers and additional two foot risers. Please check your local building code requirements to see if there is a minimum size new home requirement. In Florida the minimum size new home that can be built is 170 sq.ft. or 500 sq.ft. or 800 sq.ft. And in some areas building code requires a garage. An attic loft can be designed. To view info on Tiny Homes, click on [Tiny Homes](#). Dome kit can be purchased with 3 1/2" EPS and no 1/2" interior drywall.

PDF for Downloading & Printing

- [15 ft – plans 1-6 & has planner & elevation view](#)

Online Viewing – Opens in Browser

- [15 ft – plans 1-6 & has planner & elevation view](#)

18' Dome Stock Floor Plans – 5.54 Meter Dome

18' Dome: one bedroom one bath Tiny Home with first floor of 249 max square feet (25.90 sq.m). The dome kit comes with standard 7" R28 insulation, standard four foot risers and additional two foot risers. Please check your local building code requirements to see if there is a minimum size new home requirement. In Florida the minimum size new home that can be built is 170 sq.ft. or 500 sq.ft. or 800 sq.ft. And in some areas building code requires a garage. An attic loft can be designed. To view info on Tiny Homes, click on [Tiny Homes](#). Dome kit can be purchased with 3 1/2" EPS and no 1/2" interior drywall.

PDF for Downloading & Printing

- [18' Plans 1-2](#)
- [18' Plans 3-7](#)
- [18' Plans 8-13](#)

Online Viewing – Opens in Browser

- [18' Plans 1-2](#)
- [18' Plans 3-7](#)
- [18' Plans 8-13](#)

22' Dome Stock Floor Plans – 6.77 Meter Dome

22' Dome: one bedroom one bath size dome home with only first floor with max square feet of 370 (max. 35.52 sq.m). Please check your local building code requirements to see if there is a minimum size new home requirement. In Florida the minimum size new home that can be built is 500 sq.ft. or 800 sq.ft. And in some areas building code requires a garage. A storage loft can be designed. To view info on Tiny Homes, click on [Tiny Homes](#).

PDF for Downloading & Printing

- [22' Alpha 11 – 4ft Riser](#)
- [22' Eco Cottage w' 4' Tall Risers](#)

- [22' Eco Custom Cottage w' 5' Tall Risers](#)
- [22' Floor Planner](#)

Online Viewing – Opens in Browser

- [22' Alpha 11 – 4ft Riser](#)
- [22' Eco Cottage w' 4' Tall Risers](#)
- [22' Eco Custom Cottage w' 5' Tall Risers](#)
- [22' Floor Planner](#)

27' Dome Stock Floor Plans – 8.30 Meter Dome

27' Dome: two bedroom one bath size dome home for max square feet of 786 (74.85 sqm) on the two floors (555 on the first floor and 231 sq.ft. on the second floor). Code allows for square footage to be calculated to five feet of height. The 231 second floor square footage in the 27' dome is the area that is below the 8'4" center height to where the dome walls slope down to five feet tall. Around the second floor five foot perimeter areas the following items can be placed: headboard for bed, night tables, desks, or dressers.

All American Ingenuity domes can be designed without a second floor. The total amount of square footage in each plan varies depending upon how much of the second floor is designed and built. If you want to look at only plans with a bedroom on the first floor that can be utilized as master bedroom, we have added the words **bedroom 1st floor** with that plan name.

PDF for Downloading & Printing

- [27' Alpha 11](#)
- [27' Beta 11](#)
- [27' Delta 11 – bedroom 1st floor](#)
- [27' Epsilon 11 – bedroom 1st floor](#)
- [27' Kappa 11 – bedroom 1st floor](#)
- [27' Omega 11](#)
- [27' Sigma 11 – bedroom 1st floor](#)
- [27' Sigma 17](#)
- [27' Theta 11](#)

- [27' Zeta 11 – bedroom first floor](#)
- [27' Floor Planner](#)
- [27' Dome Elevation View w' 4' Tall Risers](#)
- [27' Dome Elevation View w' 5' Tall Risers](#)

Online Viewing – Opens in Browser

- [27' Alpha 11](#)
- [27' Beta 11](#)
- [27' Delta 11-bedroom 1st floor](#)
- [27' Epsilon 11 – bedroom 1st floor](#)
- [27' Kappa 11 – bedroom 1st floor](#)
- [27' Omega 11](#)
- [27' Sigma 11 – bedroom 1st floor](#)
- [27' Sigma 17](#)
- [27' Theta 11](#)
- [27' Zeta 11 – bedroom 1st floor](#)
- [27' Floor Planner](#)
- [27' Dome Elevation View w' 4' Tall Risers](#)
- [27' Dome Elevation View w' 5' Tall Risers](#)

30' Dome Stock Floor Plans – 9.23 Meter Dome

30' Dome: one bedroom one bath size dome house total 878 square feet on two floors (83.62 sqm). Bedroom is designed on the first floor. The 30' domes second floor panels are too small to accept a window dormer. As a result a bedroom cannot be installed on the second floor because there is no fire egress window. The second floor could be used for storage or office area, craft room, etc. **(665 on the first floor and 213 sq.ft. on the second floor).** Code allows for square footage to be calculated to five feet of height. The 213 second floor square footage in the 30' dome is the area that is below the 7'4" center height to where the dome walls slope down to five feet tall. Around the second floor five foot perimeter areas the following items can be placed: headboard for bed, night tables, desks, or dressers.

The 30' dome can be built without a second floor.

PDF for Downloading & Printing

- [30' Alpha 11- bedroom 1st floor](#)
- [30' Omega 11-bedroom 1st floor](#)
- [30' Sigma 11 basement option-bedroom 1st floor](#)
- [30' Zeta 11-bedroom 1st floor](#)
- [30' Floor Planner](#)
- [30' Elevation View](#)
- [To-Scale Furniture & Car Cut Outs](#)

Online Viewing – Opens in Browser

- [30' Alpha 11- bedroom 1st floor](#)
- [30' Omega 11 – bedroom 1st floor](#)
- [30' Sigma 11 basement option– bedroom 1st floor](#)
- [30' Zeta 11– bedroom 1st floor](#)
- [30' Floor Planner](#)
- [30' Elevation View](#)
- [To-Scale Furniture & Car Cut Outs](#)

34' Dome Stock Floor Plans – 10.46 Meter Dome

34' Dome: two bedroom two bath size dome house total 1,278 max square feet on the two floors.(121.71 sqm) Bedroom & bath on first floor and bedroom & bath on the second floor. (852 on the first floor and 427 sq.ft. on the second floor). Code allows for square footage to be calculated to five feet of height. The 427 second floor square footage in the 34' dome is the area that is below the 9'5" center height to where the dome walls slope down to five feet tall. Around the second floor five foot perimeter areas the following items can be placed: headboard for bed, night tables, desks, or dressers.

The 34' dome can be designed without a second floor. The total amount of square footage in each plan varies depending upon how much of the second floor is designed and built. If you want to look at only plans with a bedroom on the first floor that can be utilized as master bedroom, we have added

the words **master 1st floor** with that plan name.

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- [34' Alpha 15 – master 1st floor 3 bedrooms](#)
- [34' Beta 15 \(basement option\) – master 1st floor](#)
- [34' Delta 11](#)
- [34' Delta 15](#)
- [34' Epsilon 15 – master 1st floor 3 bedrooms](#)
- [34' Kappa 11 three bedrooms](#)
- [34' Omega 11 – master 1st floor](#)
- [34' Omega 15 – master 1st floor](#)
- [34' Omicron 15 – master 1st floor](#)
- [34' Pi 15](#)
- [34' Sigma 15 \(three 1st floor options\)–master 1st](#)
- [34' Sigma 11 & 22 Gamma 1 – master 1st floor](#)
- [34' Tau 15 – master 1st floor](#)
- [34' Theta 15 \(basement option\)](#)
- [34' Zeta 15](#)
- [34' Zeta 21 \(basement option\)](#)
- [34' Floor Planner](#)
- [34' Elevation View](#)
- [To-Scale Furniture & Car Cut Outs](#)

Online Viewing – Opens in Browser

- [34' Alpha 15 – master 1st floor – 3 bedrooms](#)
- [34' Beta 15 \(basement option\) – master 1st floor](#)
- [34' Delta 11](#)
- [34' Delta 15](#)
- [34' Epsilon 15 – master 1st floor – 3 bedrooms](#)
- [34' Kappa 11 three bedrooms](#)
- [34' Omega 11 – master 1st floor](#)
- [34' Omega 15– master 1st floor](#)
- [34' Omicron 15– master 1st floor](#)
- [34' Pi 15](#)
- [34' Sigma 15 \(three 1st floor options\)–master 1st](#)
- [34' Sigma 11 & 22 Gamma 1 – master 1st floor](#)

- [34' Tau 15 – master 1st floor](#)
- [34' Theta 15 \(basement option\)](#)
- [34' Zeta 15](#)
- [34' Zeta 21 \(basement option\)](#)
- [34' Floor Planner](#)
- [34' Elevation View](#)
- [To-Scale Furniture & Car Cut Outs](#)

36' Dome Stock Floor Plans – 11.08 Meter Dome

36' Dome: Two bedroom two bath size dome house for total max square feet of 1,418 on the two floors (135.05 sqm). Bedroom & bath on first floor and bedroom & bath on the second floor. 36' dome can have three bedrooms and two baths – see plans 36' Alpha 15, 36 Kappa 11, and 36' Pi 12. **(946 on the first floor and 470 sq.ft. on the second floor).** Code allows for square footage to be calculated to five feet of height. The 470 second floor square footage in the 36' dome is the area that is below the 10'4" center height to where the dome walls slope down to five feet tall. Around the second floor five foot perimeter areas the following items can be placed: headboard for bed, night tables, desks, or dressers.

The 36' dome can be built without a second floor. The total amount of square footage in each plan varies depending upon how much of the second floor is designed and built. If you want to look at only plans with a bedroom on the first floor that can be utilized as master bedroom, we have added the words **master 1st floor** with that plan name.

PDF for Downloading & Printing

- [36' Alpha 15 – master 1st floor](#)
- [36' Beta 15 -master 1st floor](#)
- [36' Delta 11](#)
- [36' Epsilon 15 – master 1st floor](#)
- [36' Kappa 11](#)
- [36' Omega 11 – master 1st floor](#)
- [36' Omicron 7- master 1st floor](#)

- [36' Pi 12](#)
- [36' Pi 14-master 1st floor](#)
- [36' Sigma 11 & 22 Gamma 1-master 1st floor](#)
- [36' Zeta 21 \(basement option\) – master 1st floor](#)
- [36' Floor Planner](#)
- [36' Elevation View](#)
- [To-Scale Furniture & Car Cut Outs](#)

Online Viewing – Opens in Browser

- [36' Alpha 15– master 1st floor](#) (three bedrooms)
- [36' Beta 15– master 1st floor](#)
- [36' Delta 11](#)
- [36' Epsilon 15– master 1st floor](#)
- [36' Kappa 11](#) (three bedrooms)
- [36' Omega 11– master 1st floor](#)
- [36' Omicron 7– master 1st floor](#)
- [36' Pi 12](#) (three bedrooms)
- [36' Pi 14– master 1st floor](#)
- [36' Sigma 11 & 22 Gamma 1– master 1st floor](#)
- [36' Zeta 21 \(basement option\)– master 1st floor](#)
- [36' Floor Planner](#)
- [36' Elevation View](#)
- [To-Scale Furniture & Car Cut Outs](#)

40' Dome Stock Floor Plans – 12.30 Meter Dome

40' Dome: Three bedroom two bath size dome home for max square feet of 1,845 on two floors (175.71 sqm), Or 1,957 sq.ft. if cupola & lot installed. First FLOOR can have one or two bedrooms with bath. Second floor can have one or two bedrooms depending on how much of the second floor is installed and what size bedroom you desire. **(1,178 on the first floor and 667 sq.ft. on the second floor)**. Code allows for square footage to be calculated to five feet of height. The 667 second floor square footage in the 40' dome is the area that is below the 11'5" center height to where the dome walls slope down to five feet tall. Around the second floor five foot perimeter areas the following items can be placed:

headboard for bed, night tables, desks, or dressers. If a cupola is installed, a loft of 112 sq.ft. can be built.

The 40' dome can be built without a second floor. If you want to look at only plans with a bedroom on the first floor that can be utilized as master bedroom, we have added the words **master 1st floor** with that plan name.

PDF for Downloading & Printing

- [40' Alpha 11](#)
- [40' Alpha 15](#)
- [40' Beta 15](#)
- [40' Beta 22 \(basement option\) – FP 1](#)
- [40' Beta 22 \(basement option\) – FP 2](#)
- [40' Beta 32 & 30 Gamma 1 – FP 1](#)
- [40' Beta 32 & 30 Gamma 1 – FP 2](#)
- [40' Chi 15-Master 1st floor](#)
- [40' Delta 15 & 27' Garage – FP1 -master 1st floor](#)
- [40' Delta 15 & 27' Garage – FP2](#)
- [40' Delta 17 & 27 Garage – FP1 – Master 1st](#)
- [40' Delta 17 & 27 Garage – FP2](#)
- [40' Epsilon 15-master 1st floor](#)
- [40 Kappa 15 basement option-FP1](#)
- [40' Kappa 15 \(basement option\) – FP 2](#)
- [40 Lambda 15 & 34' Garage–FP1-master 1st floor](#)
- [40' Lambda 15 w' 34' Garage – FP2](#)
- [40' Omega 15 – master 1st floor](#)
- [40' Omicron 15 \(with basement option\) – FP1](#)
- [40' Omicron 15 \(with basement option\) – FP2](#)
- [40' Omicron 22 \(with basement option\) – FP1](#)
- [40' Omicron 22 \(with basement option\) – FP2](#)
- [40' Sigma 15 – Master 1st floor](#)
- [40' Tau 15 w' 27' Garage – FP1](#)
- [40' Tau 15 w' 27' Garage – FP2](#)
- [40' Theta 11 – master 1st floor](#)
- [40' Theta 15](#)
- [40' Zeta 11 – master 1st floor](#)

- [40' Zeta 15 & 34' Garage \(basement option\) FP1](#)
- [40' Zeta 15 & 34' Garage \(basement option\) FP2](#)
- [40' Zeta 15 & 34' Garage \(basement option\) FP3](#)
- [40 Zeta 32 basement option-FP1-master 1st floor](#)
- [40' Zeta 32 \(basement option\) – FP 2](#)
- [40' Zeta 33 & 27 Gamma 1- FP1-master 1st floor](#)
- [40' Zeta 33 & 27 Gamma 1 – FP2](#)
- [40' Floor Planner](#)
- [40' Elevation View](#)
- [To-Scale Furniture & Car Cut Outs](#)

Online Viewing – Opens in Browser

- [40' Alpha 11](#)
- [40' Alpha 15](#)
- [40' Beta 15](#)
- [40' Beta 22 \(basement option\) – FP 1](#)
- [40' Beta 22 \(basement option\) – FP 2](#)
- [40' Beta 32 & 30 Gamma 1 – FP 1](#)
- [40' Beta 32 & 30 Gamma 1 – FP 2](#)
- [40' Chi 15](#)
- [40' Delta 15 & 27' Garage – FP1](#)
- [40' Delta 15 & 27' Garage – FP2](#)
- [40' Delta 17 & 27 Garage – FP1 – Master 1st](#)
- [40' Delta 17 & 27 Garage – FP2](#)
- [40' Epsilon 15](#)
- [40 Kappa 15 basement option-FP1](#)
- [40' Kappa 15 \(basement option\) – FP 2](#)
- [40 Lambda 15 & 34 Garage–FP1](#)
- [40' Lambda 15 & 34' Garage – FP2](#)
- [40' Omega 15](#)
- [40' Omicron 15 \(basement option\) – FP1](#)
- [40' Omicron 15 \(basement option\) – FP2](#)
- [40' Omicron 22 \(basement option\) – FP1](#)
- [40' Omicron 22 \(basement option\) – FP2](#)
- [40' Sigma 15](#)
- [40' Tau 15 & 27' Garage – FP1](#)
- [40' Tau 15 & 27' Garage – FP2](#)

- [40' Theta 11](#)
- [40' Theta 15](#)
- [40' Zeta 11](#)
- [40' Zeta 15 & 34' Garage \(basement option\) FP1](#)
- [40' Zeta 15 & 34' Garage \(basement option\) FP2](#)
- [40' Zeta 15 & 34' Garage \(basement option\) FP3](#)
- [40' Zeta 32 basement option-FP1](#)
- [40' Zeta 32 \(with basement\) – FP 2](#)
- [40' Zeta 33 & 27 Gamma 1 – FP1](#)
- [40' Zeta 33 & 27 Gamma 1 – FP2](#)
- [40' Floor Planner](#)
- [40' Elevation View](#)
- [To-Scale Furniture & Car Cut Outs](#)

40' One Story Dome Linked to 27' Garage

– 12.30 Meter Dome linked to 8.30 Meter Garage Dome

40' Dome One Story: two bedroom one and one half bath with two car garage (27'). The 40' Dome's first floor sq.ft. is 1,143 w' link of 121 sq.ft. for total of 1,264 (120.35 sqm). In meters the dome first floor is 108.85 sqm. Link is 11.5 sqm. Garage is 52.86 sqm.

PDF for Downloading & Printing

- [One Story 40' w/ 27' Garage A](#)
- [One Story 40' w/ 27' Garage B](#)
- [One Story 40' w/ 27' Garage C](#)
- [One Story 40' w/ 27' Garage D](#)
- [One Story 40' w/ 27' Garage E](#)
- [One Story 40' w/ 27' Garage F](#)
- [One Story 40' w/ 27' Garage G](#)
- [One Story 40' w/ 27' Garage H](#)

Online Viewing – Opens in Browser

- [One Story 40' w/ 27' Garage A](#)
- [One Story 40' w/ 27' Garage B](#)
- [One Story 40' w/ 27' Garage C](#)

- [One Story 40' w/ 27' Garage D](#)
- [One Story 40' w/ 27' Garage E](#)
- [One Story 40' w/ 27' Garage F](#)
- [One Story 40' w/ 27' Garage G](#)
- [One Story 40' w/ 27' Garage H](#)

45' Dome Stock Floor Plans – 13.84 Meter Dome

45' Dome: Three or four bedroom 2 1/2 bath size dome home for max square feet of 2,440 on two floors (232.38 sqm) or max 2,582 sq.ft. if cupola & loft installed.

First floor can have two bedrooms with 1 1/2 baths. Second floor can have two or three bedrooms with bath depending on how much of the second floor is installed and what size bedroom you desire. (1,489 on the first floor and 951 sq.ft. on the second floor). Code allows for square footage to be calculated to five feet of height. The 951 second floor square footage in the 45' dome is the area that is below the 13'6" center height to where the dome walls slope down to five feet tall. Around the second floor five foot perimeter areas the following items can be placed: headboard for bed, night tables, desks, or dressers. If a cupola is installed, a loft of 142 sq.ft. can be built.

The above 40' plans can be enlarged into a custom 45' dome plan. If you want to look at only plans with a bedroom on the first floor that can be utilized as master bedroom, we have added the words master 1st floor with that plan name. The 45' dome can be built without a second floor.

PDF for Downloading & Printing

- [45' Alpha 15](#)
- [45' Alpha 16 master 1st floor](#)
- [45' Alpha 22](#)
- [45' Beta 11](#)
- [45' Beta 15 basement option – FP1](#)
- [45' Beta 15 basement option – FP2](#)

- [45' Chi 15-master 1st floor](#)
- [45' Delta 15-master 1st floor](#)
- [45' Delta 33 basement option-FP1-master 1st floor](#)
- [45' Delta 33 basement option – FP2](#)
- [45' Delta 32 & 34 Gamma 1-FP1-master 1st floor](#)
- [45' Delta 32 & 34 Gamma 1 – FP2](#)
- [45' Epsilon 15-master 1st floor](#)
- [45' Epsilon 42 \(basement option\) – FP1](#)
- [45' Epsilon 42 \(basement option\) – FP2](#)
- [45' Kappa 15-master 1st floor](#)
- [45' Lambda 15-master 1st floor](#)
- [45' Omega 15-master 1st floor](#)
- [45' Omega 22](#)
- [45' Omicron 15](#)
- [45' Pi 15-master 1st floor](#)
- [45' Nu 15 & 36 Garage-FP1-master 1st floor](#)
- [45' Nu 15 & 36 Garage-FP2](#)
- [45' Rho 15](#)
- [45' Sigma 15 & 34 Garage-FP1-master 1st floor](#)
- [45' Sigma 15 & 34 Garage-FP2](#)
- [45' Sigma 22-master 1st floor](#)
- [45' Sigma 33 basement option-FP1-master 1st floor](#)
- [45' Sigma 33 basement option – FP2](#)
- [45' Tau 15-master 1st floor \(basement option\)-FP1](#)
- [45' Tau 15 \(basement plan\)-FP2](#)
- [45' Theta 15- two 2nd floor master suites](#)
- [45' Zeta 15-master 1st floor \(basement option\)-FP1](#)
- [45' Zeta 15 \(basement plan\)-FP2](#)
- [45' Zeta 32](#)
- [45' Floor Planner](#)
- [45' Elevation View](#)
- [To-Scale Furniture & Car Cut Outs](#)

Online Viewing – Opens in Browser

- [45' Alpha 15](#)
- [45' Alpha 16 master 1st floor](#)
- [45' Alpha 22](#)

- [45' Beta 11](#)
- [45' Beta 15 basement option – FP1](#)
- [45' Beta 15 basement option – FP2](#)
- [45' Chi 15-master 1st floor](#)
- [45' Delta 15-master 1st floor](#)
- [45 Delta 33 basement option-FP1-master 1st floor](#)
- [45' Delta 33 \(basement option\) – FP2](#)
- [45' Delta 32 & 34 Gamma 1-FP1– master 1st floor](#)
- [45' Delta 32 & 34 Gamma 1 – FP2](#)
- [45' Epsilon 15-master 1st floor](#)
- [45' Epsilon 42 \(basement option\) – FP1](#)
- [45' Epsilon 42 \(basement option\) – FP2](#)
- [45' Kappa 15-master 1st floor](#)
- [45' Lambda 15-master 1st floor](#)
- [45' Omega 15-master 1st floor](#)
- [45' Omega 22](#)
- [45' Omicron 15](#)
- [45' Pi 15-master 1st floor](#)
- [45' Nu 15 & 36 Garage-FP1-master 1st floor](#)
- [45' Nu 15 & 36 Garage-FP2](#)
- [45' Rho 15](#)
- [45' Sigma 15 & 34 Garage-FP1-master 1st floor](#)
- [45' Sigma 15 & 34 Garage-FP2](#)
- [45' Sigma 22](#)
- [45 Sigma 33 basement option-FP1-master 1st floor](#)
- [45' Sigma 33 \(basement option\) – FP2](#)
- [45' Tau 15-master 1st floor \(basement option\)-FP1](#)
- [45' Tau 15 \(basement plan\)-FP2](#)
- [45' Theta 15- two 2nd floor master suites](#)
- [45' Zeta 15-master 1st floor \(basement option\)-FP1](#)
- [45' Zeta 15 \(basement plan\)-FP2](#)
- [45' Zeta 32](#)
- [45' Floor Planner](#)
- [45' Elevation View](#)
- [To-Scale Furniture & Car Cut Outs](#)

48' Dome Stock Floor Plans – 14.77 Meter Dome

48' Dome: Four or five bedroom with 2 1/2 bath size dome home for max square feet of 2,830 on two floors (269.52 sqm) Or 2,992 sq.ft. if cupola and loft installed. First floor can have two to three bedrooms with 1 1/2 baths. Second floor can have two to three bedrooms with bath depending on how much of the second floor is installed and what size bedroom you desire. **(1,693 on the first floor and 1,137 sq.ft. on the second floor).** Code allows for square footage to be calculated to five feet of height. The 1,137 second floor square footage in the 48' dome is the area that is below the 14'9" center height to where the dome walls slope down to five feet tall. Around the second floor five foot perimeter areas the following items can be placed: headboard for bed, night tables, desks, or dressers. If a cupola is installed, a loft of 162 sq.ft. can be built.

If you want to look at only plans with a bedroom on the first floor that can be utilized as master bedroom, we have added the words **master 1st floor** with that plan name. The 48' dome can be built without a second floor.

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- [48' Alpha 22](#)
- [48' Beta 22 – master 1st floor](#)
- [48' Delta 22](#)
- [48' Delta 33 \(with basement option\) – FP1](#)
- [48' Delta 33 \(with basement option\) – FP2](#)
- [48' Kappa 16](#)
- [48' Omega 16](#)
- [48' Omega 21 – master 1st floor](#)
- [48' Omicron 16](#)
- [48' Theta 16](#)
- [48' Zeta 11 – master 1st floor](#)
- [48' Dome Floor Planner](#)
- [48' Dome Elevation View](#)
- [To-Scale Furniture & Car Cut Outs](#)

Online Viewing – Opens in Browser

- [48' Alpha 22](#)
- [48' Beta 22– master 1st floor](#)
- [48' Delta 22](#)
- [48' Delta 33 \(with basement option\) – FP1](#)
- [48' Delta 33 \(with basement option\) – FP2](#)
- [48' Kappa 16](#)
- [48' Omega 16](#)
- [48' Omega 21](#)
- [48' Omicron 16](#)
- [48' Theta 16](#)
- [48' Zeta 11](#)
- [48' Dome Floor Planner](#)
- [48' Dome Elevation View](#)
- [To-Scale Furniture & Car Cut Outs](#)

60' Dome – 18.46 Meter Dome – Warehouse Or Garage Structure NOT for a home.

All plans for the 60' dome warehouse or garage are custom plans. This large dome can have 2,552 sq.ft. on the first floor. Email for floor planner and elevation view.

Garage Domes w' Second Floor Studio Apartments

PDF for Downloading & Printing

- [27' Garage w' Studio Apartment](#)
- [34' Garage w Studio Apartment](#)
- [34' Garage w Studio Apartment w 2 Vehicles](#)
- [36' Garage w Studio Apartment](#)
- [36' Garage w Studio Apartment w 2 Vehicles](#)
- [40' Garage w 1 Bedroom Apt w 2 Vehicles](#)
- [40' Garage w 2 Bedroom Apt w 2 Vehicles](#)

Online Viewing – Opens in Browser

- [27' Garage w' Studio Apartment](#)
- [34' Garage w Studio Apartment](#)

- [34' Garage w Studio Apartment w 2 Vehicles](#)
- [36' Garage w Studio Apartment](#)
- [36' Garage w Studio Apartment w 2 Vehicles](#)
- [40' Garage w 1 Bedroom Apt w 2 Vehicles](#)
- [40' Garage w 2 Bedroom Apt w 2 Vehicles](#)

Garage Dome Stock Floor Plans

PDF for Downloading & Printing

- [22 Gamma 1](#)
- [27 Gamma 1](#)
- [30 Gamma 1](#)
- [34 Gamma 1](#)
- [36 Gamma 1](#)
- [22' Garage Planner & 27' Garage Planner](#)
- [30' Garage Planner](#)
- [34' Garage Planner](#)
- [36' Garage Planner](#)
- [40' Garage Planner](#)

Online Viewing – Opens in Browser

- [22 Gamma 1](#)
- [27 Gamma 1](#)
- [30 Gamma 1](#)
- [34 Gamma 1](#)
- [36 Gamma 1](#)
- [22' Garage Planner & 27' Garage Planner](#)
- [30' Garage Planner](#)
- [34' Garage Planner](#)
- [36' Garage Planner](#)
- [40' Garage Planner](#)

To increase light in the dome, max out second floor window and door dormers instead of installing skylight panels. For more info scroll down the page for an explanation why Ai no longer manufactures skylight panels. To view chart listing square feet & specs by dome size, click on [Specs](#). On the second page

of this article is a summary of square footage by dome size & other info.

About Riser Height (before the triangle panels are installed, rectangle panels called risers are installed). The standard riser height in the dome kit is four feet. The following describes when the riser can be five feet tall or when an additional two foot custom riser can be installed above the standard four foot riser to increase first floor ceiling heights in rooms where a second floor is installed.

1. **Due to the small size of the 15' & 18' tiny homes**, the kit pricing includes standard four foot tall risers and additional two foot risers to cause more first floor height for kitchen and shower placement along exterior walls.
2. **The 22' & 27' domes** can have a custom five foot tall riser panel instead of the four foot standard riser panel & taller entryway base panels. This results in first floor ceiling height in rooms that have loft or second floor over them of eight feet six inches.
3. **30', 34', 36', 40', 45' & 48' domes** can have a taller entryway base panels & custom two foot tall riser panel installed above the standard four foot riser panel. This results in first floor ceiling height in rooms that have second floor over them of nine feet six inches to ten feet tall.
4. Five foot risers for the larger 30 thru 48' dome sizes do not fit on the semi-truck, as a result a two foot custom riser can be ordered to increase first floor ceiling height when a second floor is built over the first floor.

In first floor areas where there is no second floor built, there are high vaulted ceilings. **Dashed lines on the stock plans show which first floor areas are open to the top of the dome producing high vaulted ceilings.**

What does max square feet mean on each of the stock plans?
The second floor square footage is calculated to five feet of perimeter height.

What does max square feet mean on the planners and the elevation views? The max. square feet shown on the planners and elevation views means the entire second floor is built with no high vaulted ceiling over any of the first floor area except for an open area over the stairs. The stairs have a two step platform. The second floor of the 27', 34', 36', 40', 45' & 48' domes show five second floor dormers with each dormer adding around 9-10 sq.ft. to the second floor square footage. The second floor square footage is calculated to five feet of perimeter height.

Continued...

[Summaries By Dome Diameter](#)