

S₄ Concept Home[©]

Elemental Architecture

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What is the S₄ Concept Home?

The S₄ Elemental Architecture Concept Home is a prefabricated home based on owner need and site conditions. It is not a fixed floor plan like many other prefabricated homes, but is a truly flexible approach where the owner works with Tekton Architecture to develop a unique S₄ Concept Home. We developed this four-element approach to architecture to provide owners a means of designing a modern custom home, combined with the cost benefits of prefabricated home building, energy efficient and environmentally friendly materials .

The four elements are:

- **S** - the **serviced** element, for living spaces
- **s₁** - the **service** element for mechanical uses such as kitchens, bathrooms, utility and circulation.
- **s₂** -the **storage** element, for closets and room dividers
- **s₃** -the **stairway** element for multi-story buildings.

The combination of these four elements make the S₄ Concept Home. They can create diverse environments including one-room cabins, single family homes and multi-story townhouses. Simply add elements to your S₄ Concept Home as needs change and grow.

The S₄ home was developed to address the increasing need for affordable housing and market demand for green building practices.

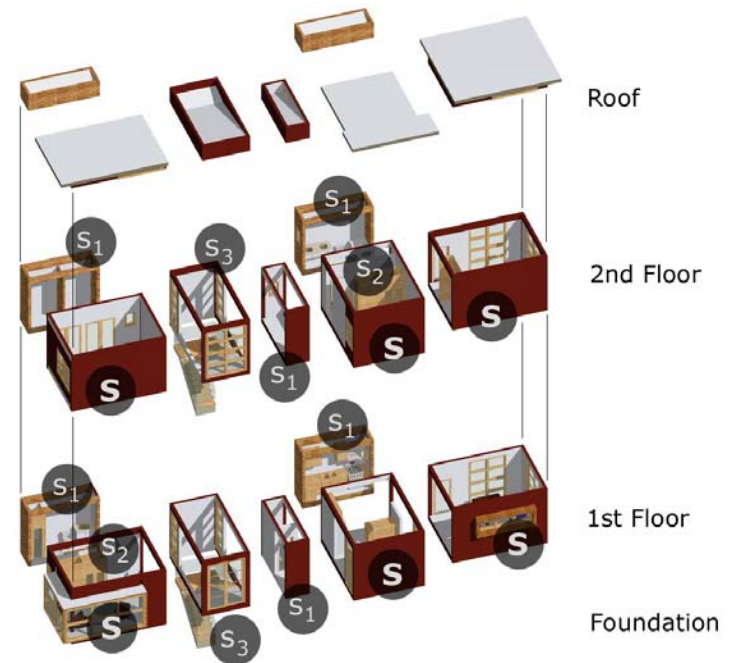


Illustration of S₄ Concept Home Elements for Two Story Home

How does the S₄ Concept Home Work?

Using environmentally friendly and high performance thermal products, the S₄ Concept Home is developed for each owner based on their needs and building site conditions.

Each floor plan design begins with a few basic questions:

- Is this a primary home or vacation retreat?
- What types of spaces, and how many do you need?
- Is this an urban or a rural building site?
- What are the dominant site aspects such as view, southern exposure and prevailing winds?

The 12' x 16' **S** element can have uses such as a living room or large bedroom. Divided with a **s₂** element, it can become small bedroom and hallway, linking other served elements.

The 4' x 12' **s₁** element is the backbone of the S₄ Concept Home. Kitchens, bathrooms and utility rooms are systems-intensive areas. Other uses such as equipment storage, photovoltaic battery closets, or even hallways are created. All heating, cooling and hot water systems are located above each service element where needed.

The 8' x 16' **s₃** element joins floors of multi-story buildings.



Floor Plan Schematic Layout



Final Floor Plan Example

Illustration of S₄ Concept Home – Layout to Floor Plan



What is the process of design to create my own S₄ Concept Home?

The S₄ Concept Home is an alternative way to design and build your own home. Tekton Architecture will work with you to design your S₄ Concept Home suited to your needs and building site.

The steps of creating your S₄ Concept Home include:

Step 1:

- Floor plan design and placement on site
- Material selections
- Owner approval of design and cost

Step 2:

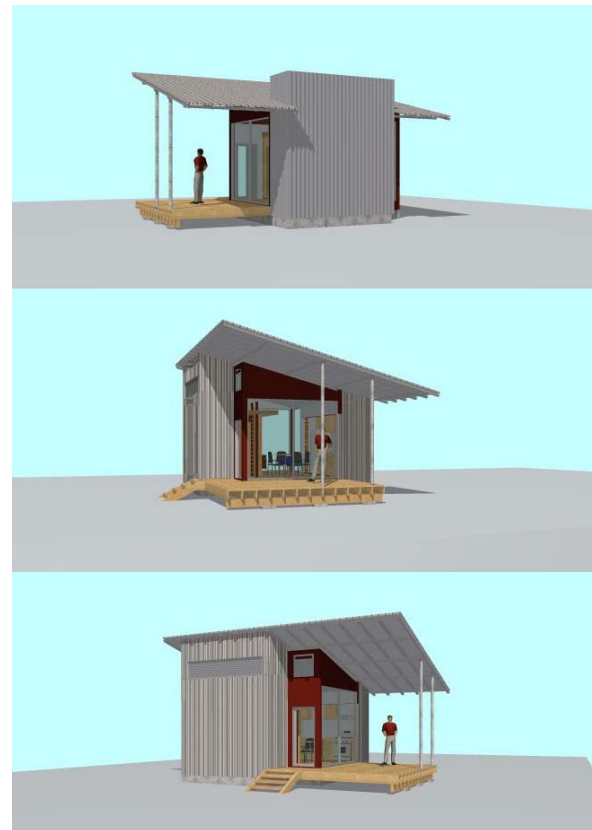
- Owner secured funding, if necessary
- Order placed for home and scheduled for completion
- Permitting

Step 3:

- S₄ Concept Home fabrication
- Transportation to the building site

Step 4:

- Site improvements by others such as foundations and utilities
- Installation on site



S₄ Concept Home Cabin



What standard options are available for my S₄ Concept Home?

Standard exterior finishes include:

- FSC Certified wood siding
- Hardipanel® sheet and horizontal siding
- Corrugated metal siding
- Trespa© brand thermoset resin flat panel siding
- Aluminum Doors and Windows

Standard interior finishes include:

- Wood veneer and painted engineered wood wall panels
- Homosote© wall finish products
- Bamboo flooring
- Concrete and Recycled content countertops
- Bamboo plywood and engineered wood cabinets

Standard bathroom fixtures and appliances include

- Fixtures and appliances from Kohler® and KitchenAid®
- Tankless hot water heater and forced air gas furnace

Additional features are available for each S₄ Concept Home and are not included in the S₄ Concept Home pricing, such as:

- Vented roof with overhangs for extreme climates
- Photovoltaic solar systems
- Finish materials beyond standard options
- Fixtures and appliances beyond standard options



FSC Certified Wood Siding



HardiePanel Products



Corrugated Metal Siding



Trespa Brand Products



Stained MDF Panels

White Epoxied MDF



Recycled Content Countertops



Bamboo Floor and Plywood Products

Sample Exterior and Interior finishes available.



How much will my S₄ Concept Home cost?

The S₄ Concept Home is a prototype home and is still under development. The process for developing each S₄ Concept Home includes a fixed fee for design and documentation. The figure for each element reflects a completed unit based on the floor plan design and includes all standard finishes, fixtures, and appliances.

Pricing for each element listed is preliminary, and should be used for reference only (in US Dollars),

- **S** -served element \$12,500
- **s₁** -service element \$11,500
- **s₁** -storage element \$2,500
- **s₃** -stairway element \$18,000
- Design Fee 2.5% of S₄ Cost

The 2,050 square foot, 3 bedroom and 2 bathroom home shown here is estimated at \$199,500, not including land or site improvement costs.

To establish an approximate cost for your S₄ Concept Home, contact tekton architecture. We will discuss your ideas and needs that will make your home unique.



3 Bedroom, 2 Bathroom Single Family S₄ Concept Home



How do I get started on my S₄ Concept Home?

For further information, or to initiate your S₄ Concept Home please contact us at info@tektionarchitecture.com or phone us at 415.863.2232.



The S₄ Concept Home is a prototype conceived and copyrighted by tektion architecture. The idea behind the S₄ Concept Home reflects the written work of the late architect Louis Kahn. Kahn's work was based on the idea of service and served spaces - where the aspects of a building's function, both from a programmatic and mechanical approach, are planned to support the primary spaces, or the served spaces. Each S₄ Concept Home is specifically designed for each client by one of our architects, suited to fit your needs and building site conditions.

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2 Unit, 2 Story Urban Infill S₄ Concept Home Townhouse