

THE WORLD'S MOST INNOVATIVE
GREEN BUILDING TECHNOLOGY



VACATION RENTAL SOLUTIONS

HOSPITALITY PRODUCTS

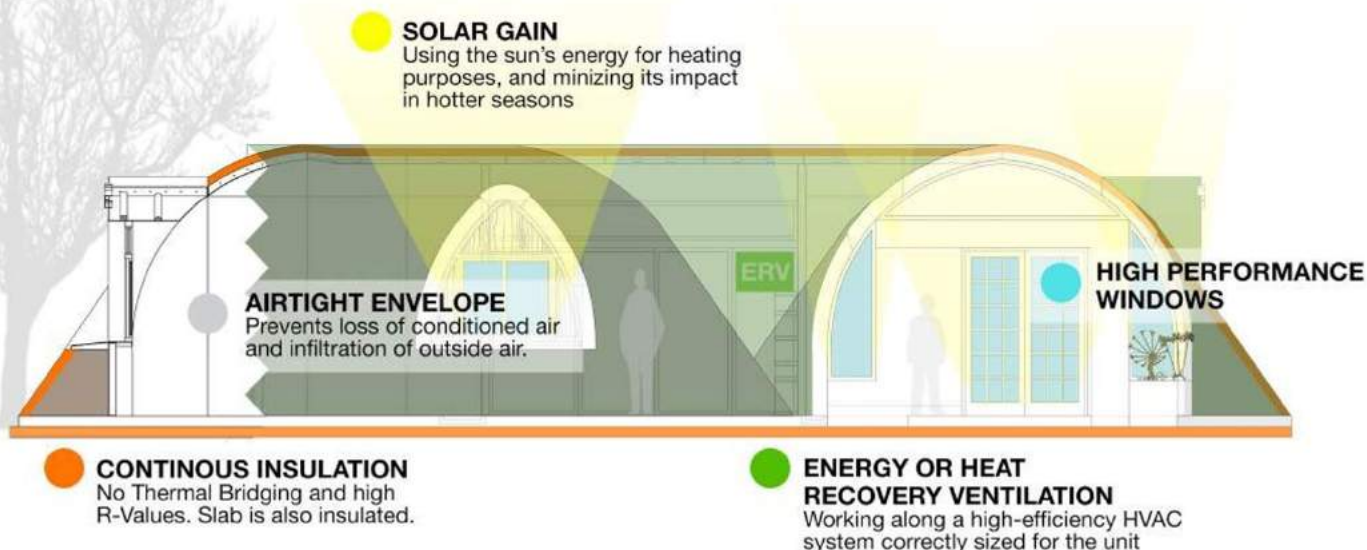


JUMP-START YOUR VACATION RENTAL BUSINESS

Wonderful Structures brings the eco-hospitality concept to the vacation rental industry. Our new generation of Eco-Hotels solutions, blends sustainability and advanced technology into high-quality design, fast building units with a major “wow” factor that empower anybody to start or expand a rental property in just a few weeks.

Eco-lodging is a very strong trends in the global tourism market as more travelers integrate their healthy preferences and values into their travel choices. Using W.S. Technology, investors, owners and/or hosts can design their own hospitality complex starting with a target number of rooms and combining common areas such as saunas, outdoor kitchens, fitness rooms, reception desks, cafeterias all designed in the distinctive green eco-style that blends in seamlessly with the environment.

Wonderful Structures’ unique designs and its many features create a hospitality experience that integrates guests with the surroundings, fostering environmental awareness and appreciation of nature while offering significant advantages that deliver high-quality, authentic, memorable, and meaningful stays.



SYSTEM ADVANTAGES

- Innovative and unique models designed to provide the best experience for clients.
- Integrates with nature for low visual impact in surrounding eco-system
- Large sliding doors to integrate internal and external areas
- Storm and hurricane-safe.
- High quality standards for guests ensuring higher room satisfaction.
- Soil berming uses the heat of the earth to create a cradling effect and maintains stable internal temperatures: On hot summer days the units are cooler than conventional buildings due to its high thermal insulation that keeps the heat out and on cool days the heat stays inside and the maintains the temperature warm and comfortable.
- Safer, quieter, and cleaner than traditional methods of construction.
- 70% less heating/air conditioning costs
- Energy efficient architecture due to internal convection-like airflow and above-code insulation
- Dome structures are aerodynamic, can withstand heavy winds & severe weather, and are the world's highest earthquake resistant structures.
- 70% less construction materials used than conventional homes with the ability to use on-site materials for wall retaining structures.

TECHNOLOGY BENEFITS

- Factory modules made with long-lasting fiber reinforced polymers for increased lifecycle cost savings.
- Modules are fully fitted out inside, in a controlled factory environment, which results in a high level of quality and significant construction benefits.
- Modular construction system reduces build times by 30%-60%, lessens the likelihood of construction defects and offers designers and architects extensive creative flexibility.
- On-site work is reduced by 40 to 60% which benefits labor, material storage and overall construction costs.
- Low operational and maintenance costs to ensure a high ROI for the hospitality provider.
- Integrates with nature for low visual and construction impact in surrounding eco-system.
- System withstands all weather conditions and can be optimized for maximum performance in all climate zones.
- Fully integrates with Passive House Standards - a set of high energy efficiency methods and practices that reduce a building's ecological footprint.
- Designed to be shipped anywhere since the modules can be handled as standard freight and transported on container vessels to any port in the world.

GREEN ROOFS



UNDERSTANDING EXTENSIVE GREEN ROOFS

An extensive green roof is a completely natural form of roof covering that uses a low-maintenance planting scheme consisting of hardy, drought-resistant plants. The plants used must be self-regenerating, predominantly short-growing, densely planted, and exhibit a high degree of adaptability to survive in relatively extreme climatic conditions (drought, sun, wind, etc.). Ideally, when choosing the plants, regional variations and local climatic conditions must be considered.

The plants selected should require minimal moisture and demand little from the substrate in the way of nutrients. In general, irrigation systems are unnecessary for extensive installations, although irrigation may be required during the early stages to support germination and initial growth. An extensive green roof is chosen primarily for aesthetic and ecological reasons and as such, is not designed to be walked upon, except for occasional maintenance and control purposes.

Since the types of plants used make comparatively modest demands on the layer configuration, the overall weight, the composition depth, and the loading of the extensive green roof is relatively small.

FEATURES OF AN EXTENSIVE GREEN ROOF:

- Vegetation design possibilities constrained by localized plant selection.
- Low maintenance - less than two inspections per year
- Shallow composition depth - 77mm and up
- Minimal dead load - starting at 35 kg/m² including plants
- Economical installation and maintenance

ENSURING SUCCESS

To properly ensure the success and the durability of the extensive green roofs the units undergo a careful plan to determine moisture retention, runoff controls, climatic circumstances (local climate, hours of sun, periods of drought, annual precipitation), structural requirements, and vegetation technical constraints (resistance against wind flow and demand on the substrate layer).

W.S. SYSTEM



OUR UNIQUE MODELS ARE DESIGNED TO PROVIDE THE BEST EXPERIENCE FOR CLIENTS WHILE CONTROLLING OPERATIONAL AND MAINTENANCE COSTS TO ENSURE A HIGH ROI FOR THE HOSPITALITY PROVIDER.

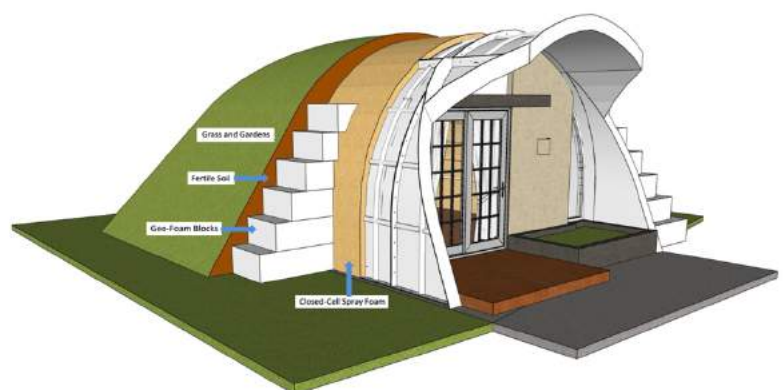
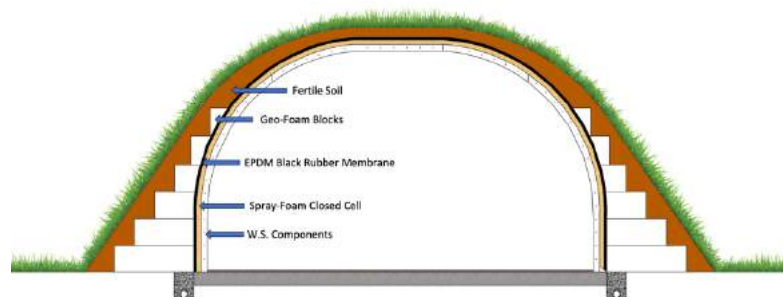
UNDERSTANDING OUR PATENTED EARTH-SHELTERED FRAMING TECHNOLOGY

Wonderful Structures is a patented and revolutionary construction system for Earth-Sheltered Homes made with cutting-edge polymeric compounds and aero-space technology which offers the ability to live integrated in nature, with total comfort and high energy savings at very affordable prices.

Our “elevational” bermed design layouts consist of an exposed elevation or face of the house orientated for passive solar gains, allowing the sun to light and heat the interior while soil covers the other sides and roof to protect and insulate the unit. The floor plans are arranged to allow common areas and bedrooms to share heat and light.

The inside of the house is constructed to take advantage of the solar gain and alternative energy efficiency, along with providing the convenience of traditional construction.

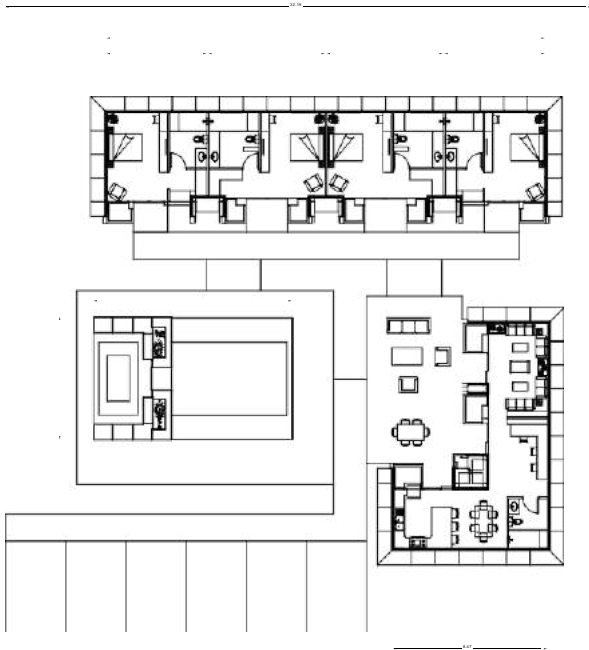
The earth surrounding the house provides excellent soundproofing, protects against the impact of extreme outdoor temperatures, requires less outside maintenance, blends into the landscape more harmoniously than a conventional home, and offers exceptional protection against high winds, hailstorms, and natural disasters.





OUR VACATION RENTAL SYSTEM IS DESIGNED TO EXPAND IN INCREMENTS UP TO 10 ROOMS IN A CONCENTRIC & COMPACT FOOTPRINT

STAGE 1 OVERVIEW



MODULAR SYSTEM - STAGE 1

4 ROOMS + COMMON AREA

Complex with four (4) 1BR 1BA rooms and one common area:

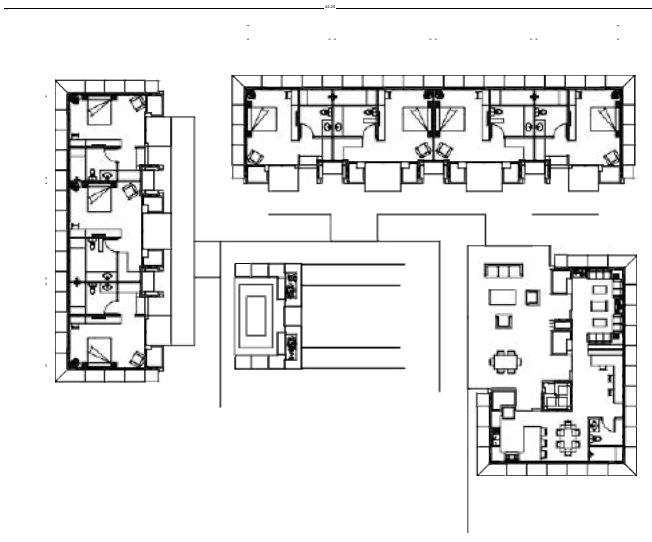
(2x) 22.32 m² / 240.28 ft² and (2x) 17.82 m² / 191.83 ft² plus a common area. Price includes panels and fasteners. Cost of finished unit ranges between 0.8 x and 1.2 x the cost of the system depending on the location and price of local labor.



INTERNAL WALLS ARE NOT LOAD BEARING AND THUS, PROVIDE MULTIPLE DESIGN POSSIBILITIES.



ROOMS & POOL AREA



MODULAR SYSTEM - STAGE 2

7 ROOMS + COMMON AREA

Complex with seven (7) 1BR 1BA rooms and one common area:

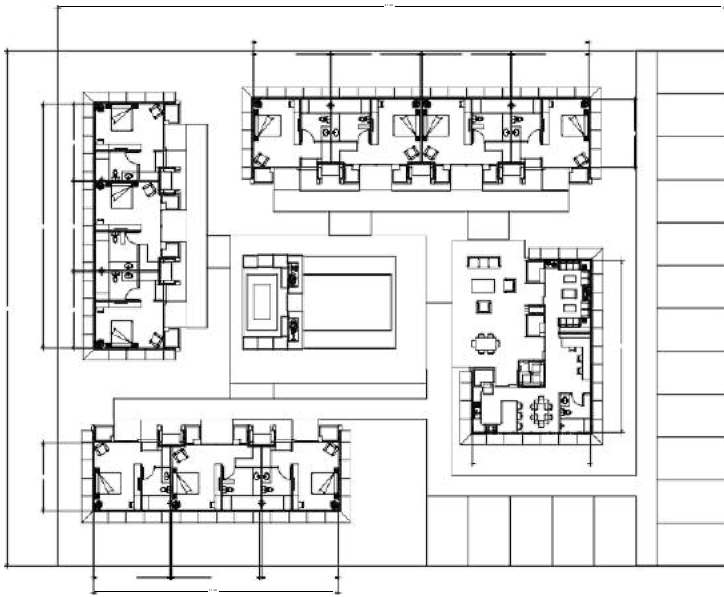
(4x) 22.32 m² / 240.28 ft² and (3x) 17.82 m² / 191.83 ft² plus a common area. Price includes panels and fasteners. Cost of finished unit ranges between 0.8 x and 1.2 x the cost of the system depending on the location and price of local labor.





THE LUSH AND NATURAL DESIGN PROVIDES LOW CONSTRUCTION IMPACT ON ECO-SENSITIVE AREAS

STAGE 3 OVERVIEW



MODULAR SYSTEM - STAGE 3

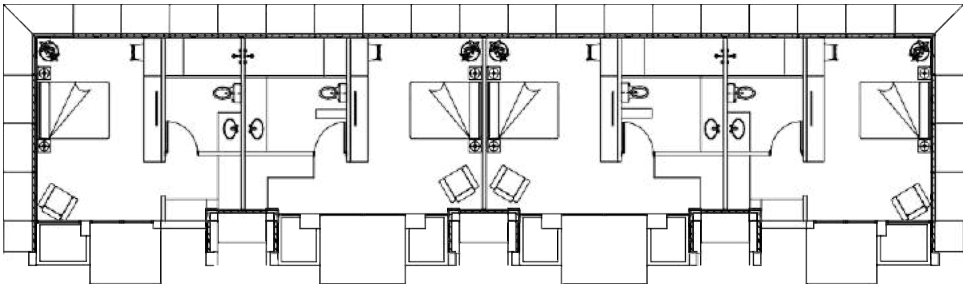
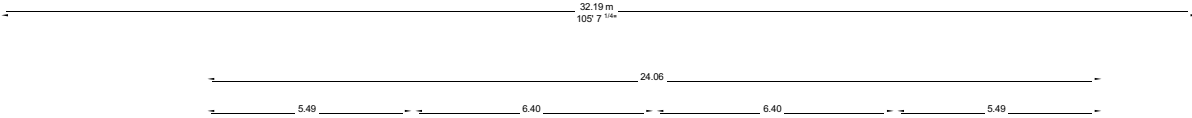
10 ROOMS + COMMON AREA

Complex with ten (10) 1BR 1BA rooms and one common area:

(6x) 22.32 m² / 240.28 ft² and (4x) 17.82 m² / 191.83 ft² plus a common area. Price includes panels and fasteners. Cost of finished unit ranges between 0.8 x and 1.2 x the cost of the system depending on the location and price of local labor.



PLANS STAGE 1



4.88 m
16' 1/4"



30.84 m
101' 2 1/4"

6.73

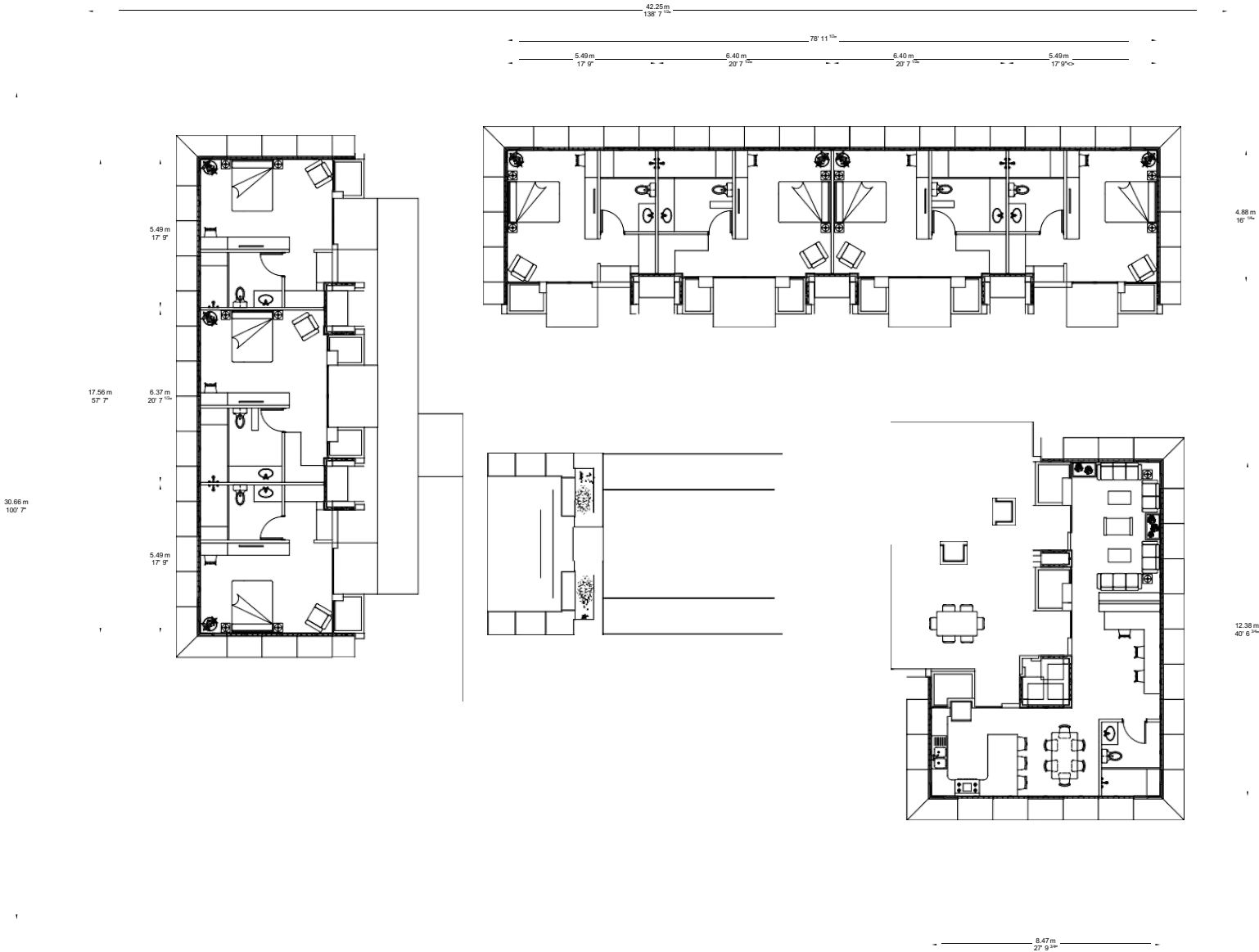
12.38 m
40' 6 3/4"

8.47 m
27' 9 3/4"



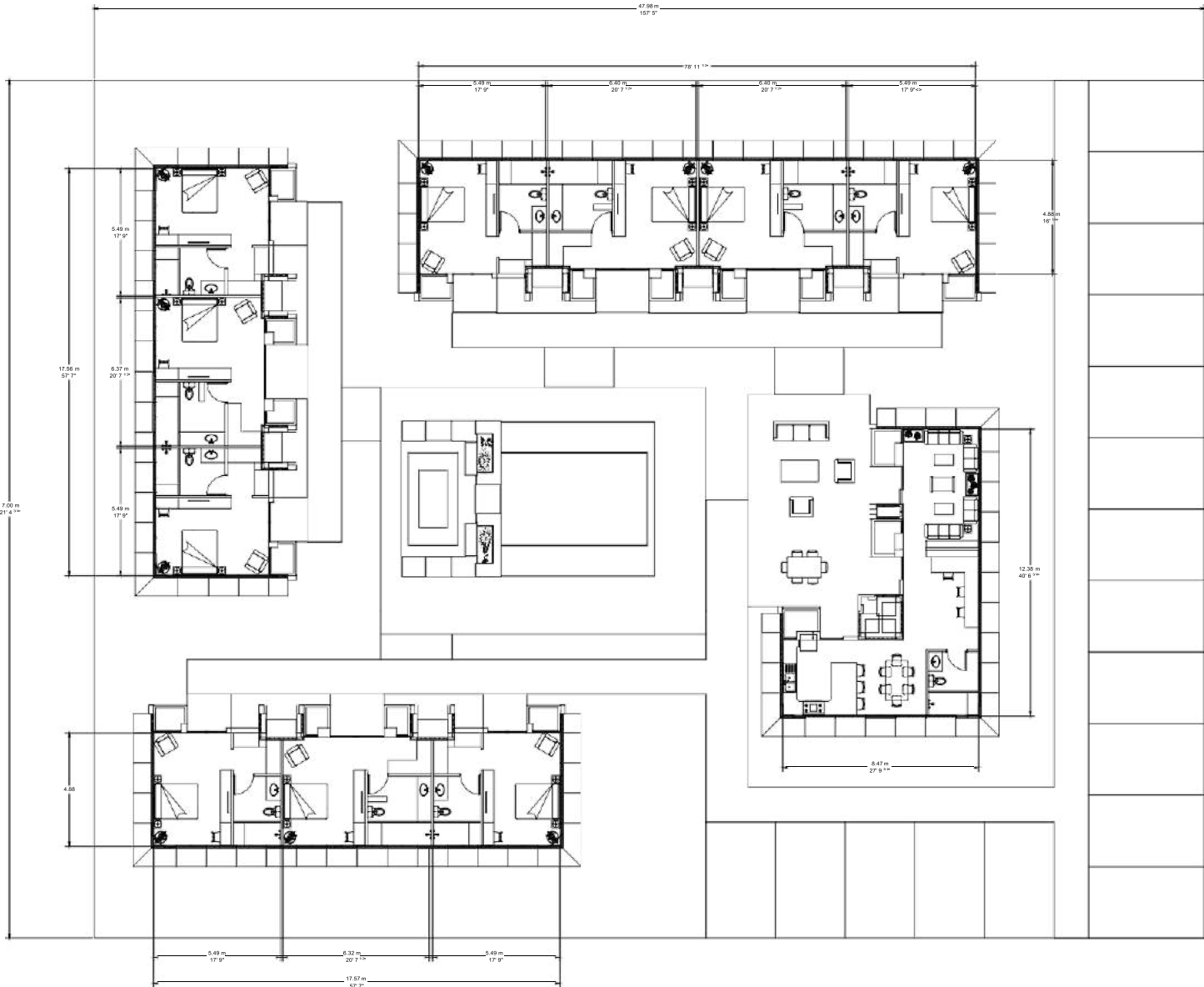
STAGE 1 4 ROOMS + COMMON AREA

PLANS STAGE 2



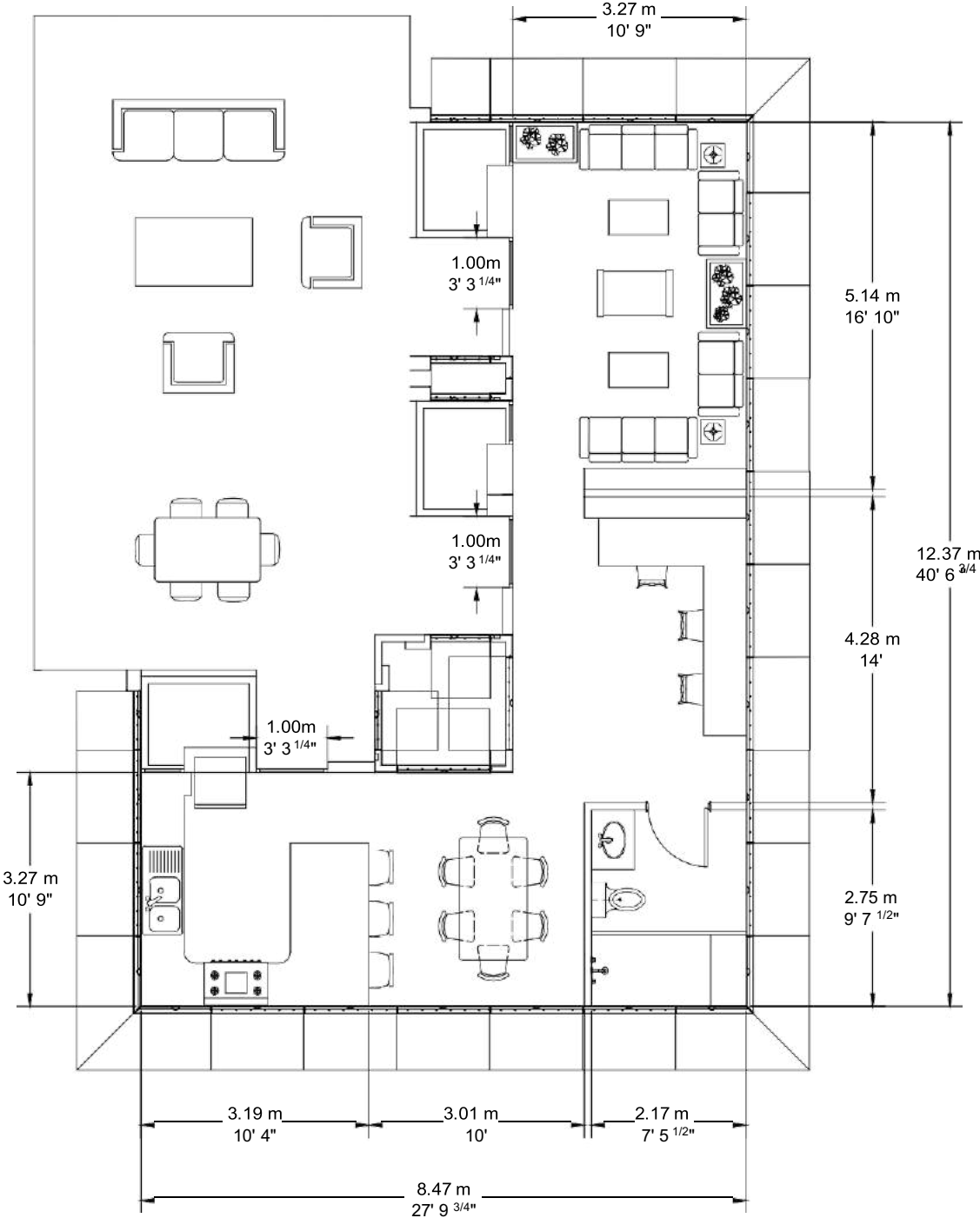
STAGE 2
7 ROOMS + COMMON AREA

PLANS STAGE 3

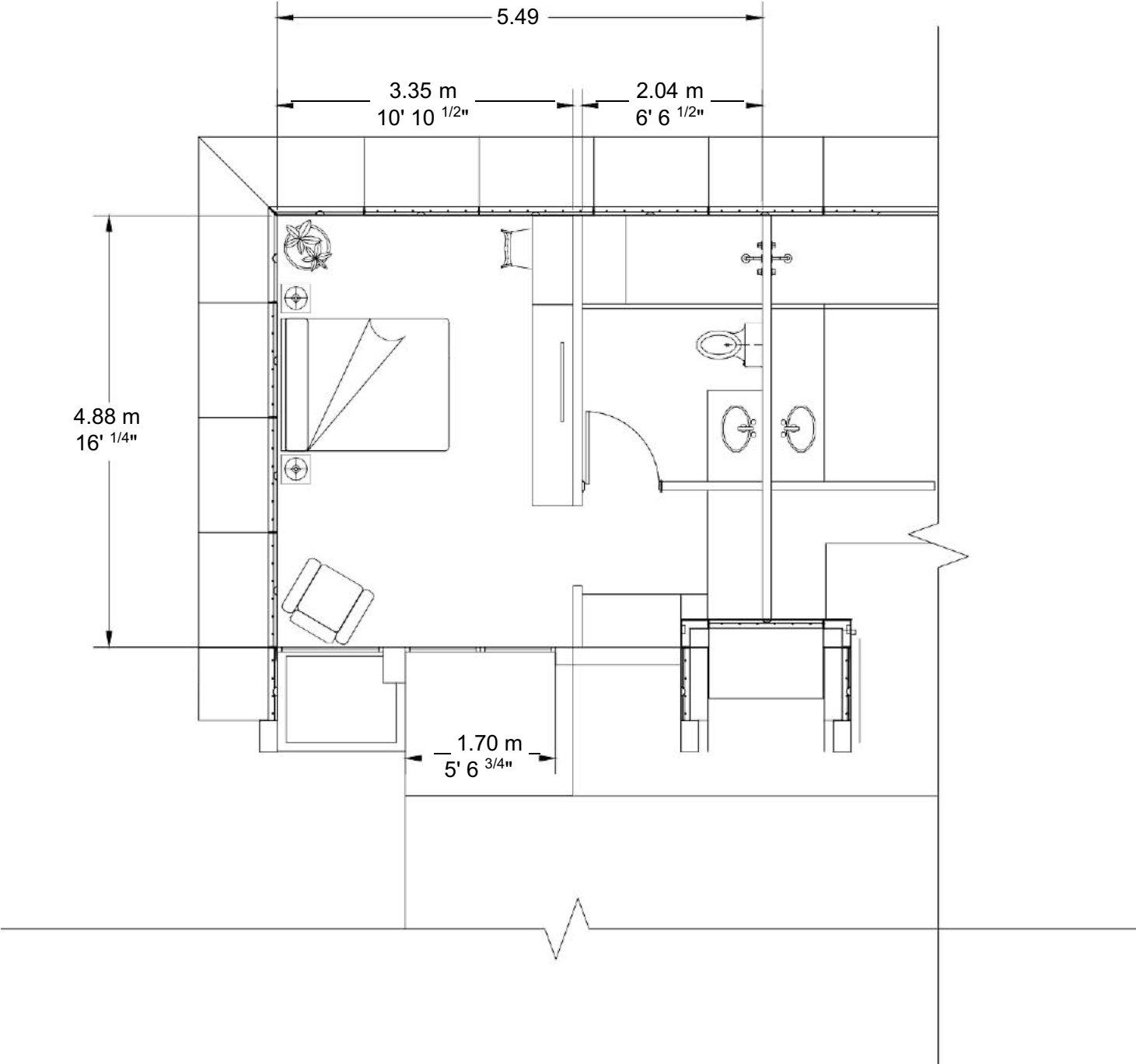


STAGE 3
10 ROOMS + COMMON AREA

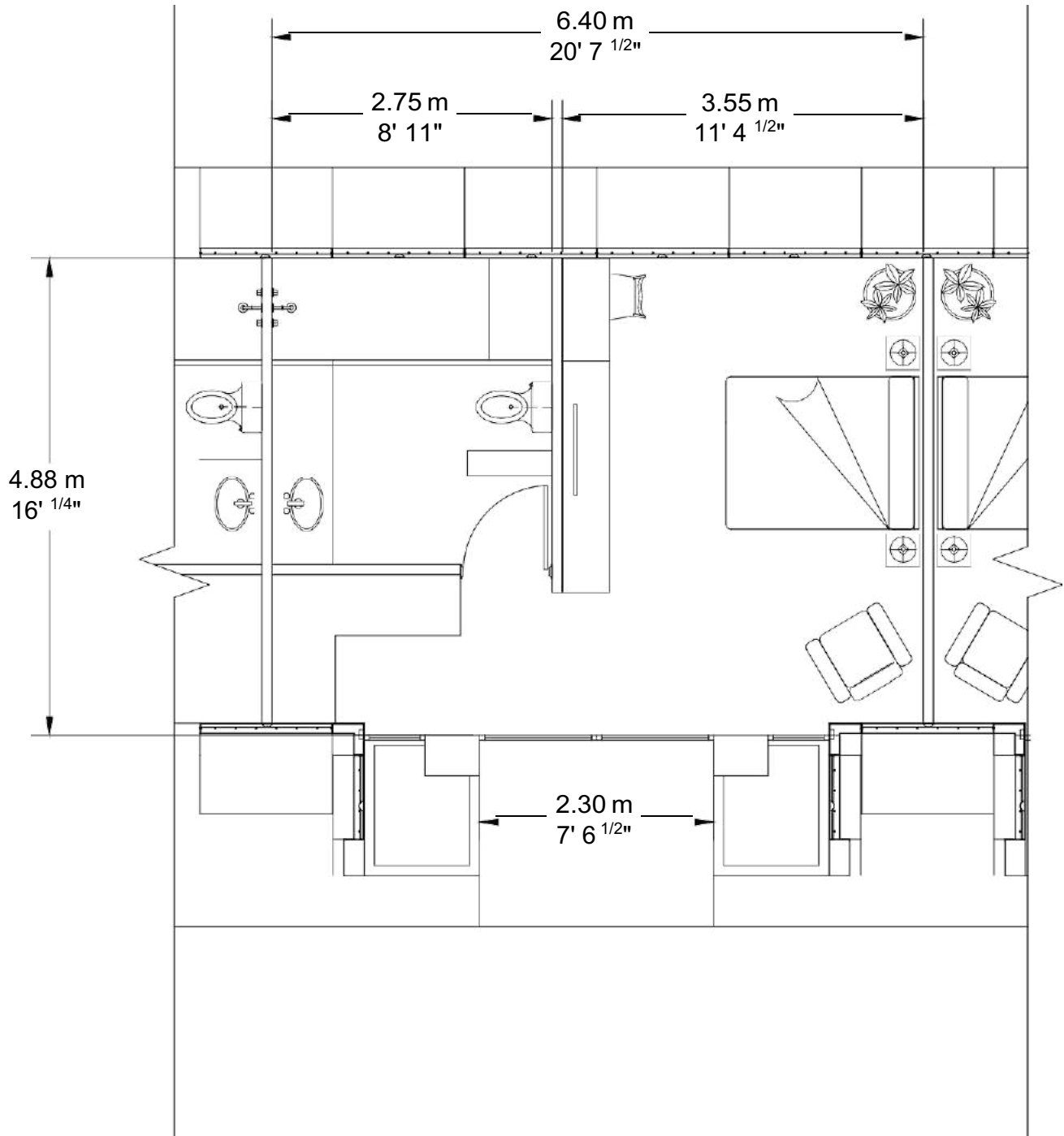
COMMON AREA



CORNER ROOMS



INTERIOR ROOMS



ESTIMATING REVENUE



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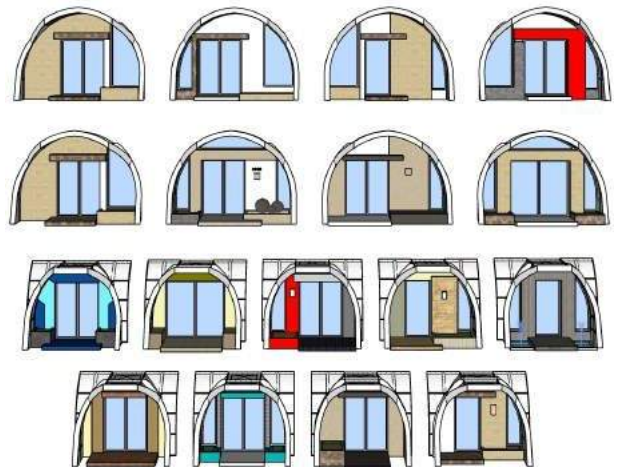
WINDOWS & FACADES



Wonderful Structures facade designs are compatible with a broad variety of doors and windows to satisfy any performance, style, impact resistance, energy star compliance, noise reduction, target U-Factor or Solar Heat Gain Coefficient needs.

Our window openings can use most systems including stationary, single hung, double hung, casement, gliding, sliding, awning or hinged, or any combination; and all types of materials including wood, aluminum, fiberglass and or composites. All designs can also use storefront type panoramic windows.

We provide plans for a myriad of facade designs that allow builders to customize their project with a distinct look of their choice.





CONTACT US

[www WonderfulStructures.com](http://www.WonderfulStructures.com)