BuildTech

BUILDTECH GLOBAL SOLUTIONS

Nature. Technology. Home.

10-home concept collection | One and two bedrooms

Florida · Caribbean · California · Mountain retreats

Portfolio for investors, buyers and preliminary authority review.

AI-created visualizations and conceptual layouts. Not construction drawings or certifications. Final design, engineering, manufacturing and permits remain to be developed.

EDITION 01 / OCTOBER 2026

03 OCT 2026

BuildTech

Ten expressions of one vision

Distinct silhouettes, warm materials and proposed solar energy connect each home to its landscape.

MODEL	NAME	BEDS	ENVELOPE	GROSS AREA	PROPOSED PV
BT01	Dune One	1	26.25 x 14.76 ft	387.50 ft²	3.6 kWp
BT02	Palm Duo	2	32.81 x 19.69 ft	645.83 ft²	5.4 kWp
BT03	Orbit One	1	29.53 x 14.76 ft	435.94 ft²	3.6 kWp
BT04	Lagoon Duo	2	36.09 x 18.04 ft	651.22 ft²	5.4 kWp
BT05	Pine One	1	26.25 x 16.40 ft	430.56 ft²	3.6 kWp
BT06	Canopy Duo	2	39.37 x 19.69 ft	775.00 ft²	5.4 kWp
BT07	Halo One	1	Ø 26.25 ft	541.05 ft²	3.6 kWp
BT08	Horizon Duo	2	36.09 x 19.69 ft	710.42 ft²	5.4 kWp
BT09	Pebble One	1	27.89 x 16.40 ft	457.47 ft²	3.6 kWp
BT10	Terra Duo	2	39.37 x 21.33 ft	839.59 ft²	5.4 kWp

Gross exterior areas include walls; decks excluded. Capsule curves are exterior fairings around a rectangular planning envelope. BT07 uses a true circular diameter. Solar capacities are illustrative, with no off-grid promise.

BT01 Dune One

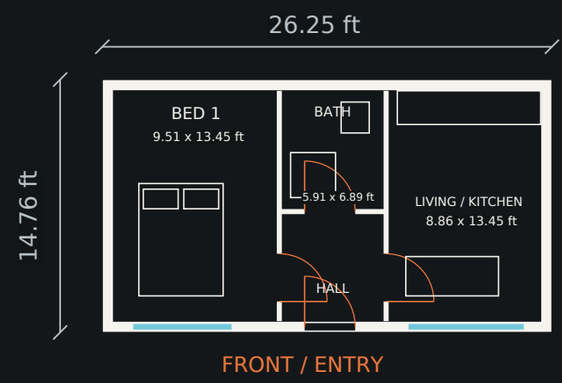
FLORIDA DUNES



Concept visualization / illustrative setting

PROPOSED FLOOR PLAN

Schematic | Dimensions govern



1 bedroom · 1 bathroom

387.50 ft² gross
Estimated usable interior: 325.07 ft²
Proposed deck: 155.00 ft²
Proposed clear ceiling: 8.53 ft

EXTERIOR FINISHES

Pearl fiber-cement rainscreen; wood-look aluminum fins; orange powder-coated entry.

INTERIOR FINISHES

Porcelain flooring; gypsum lining; cement board and waterproofing in wet areas; low-emission cabinetry and quartz countertop.

TECHNOLOGY & COMFORT

Proposed PV: 3.6 kWp (8 x 450 W). Heat pump, controlled ventilation and smart controls; equipment to be sized. Roof BT insignia.

GLAZING & STRUCTURE

Impact-resistant laminated glass is a requirement: product, size, pressure rating and anchors subject to approval. Proposed galvanized steel core and site-engineered foundation.

Indicative clear room dimensions; nominal 7.87 in exterior walls, 3.94 in partitions. Render and plan require coordination in final design. Not certified.

BT02 Palm Duo

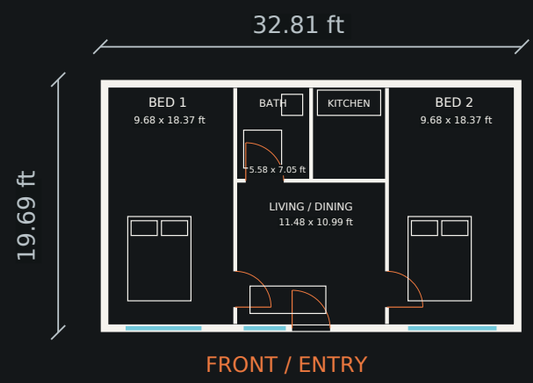
TROPICAL FLORIDA



Concept visualization / illustrative setting

PROPOSED FLOOR PLAN

Schematic | Dimensions govern



2 bedrooms · 1 bathroom

645.83 ft² gross
Estimated usable interior: 565.11 ft²
Proposed deck: 193.75 ft²
Proposed clear ceiling: 8.53 ft

EXTERIOR FINISHES

White fiber-cement; natural stone entry accent; coated standing-seam roof.

INTERIOR FINISHES

Porcelain flooring; gypsum lining; cement board and waterproofing in wet areas; low-emission cabinetry and quartz countertop.

TECHNOLOGY & COMFORT

Proposed PV: 5.4 kWp (12 x 450 W). Heat pump, controlled ventilation and smart controls; equipment to be sized. Roof BT insignia.

GLAZING & STRUCTURE

Impact-resistant laminated glass is a requirement: product, size, pressure rating and anchors subject to approval. Proposed galvanized steel core and site-engineered foundation.

Indicative clear room dimensions; nominal 7.87 in exterior walls, 3.94 in partitions. Render and plan require coordination in final design. Not certified.

BT03 Orbit One

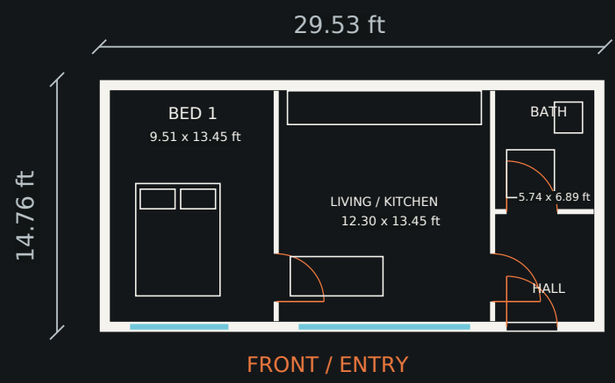
CARIBBEAN COAST



Concept visualization / illustrative setting

PROPOSED FLOOR PLAN

Schematic | Dimensions govern



1 bedroom · 1 bathroom

435.94 ft² gross
Estimated usable interior: 369.20 ft²
Proposed deck: 174.38 ft²
Proposed clear ceiling: 8.53 ft

EXTERIOR FINISHES

White formed aluminum corner fairings over a structural rectangular core; timber-look fins.

INTERIOR FINISHES

Porcelain flooring; gypsum lining; cement board and waterproofing in wet areas; low-emission cabinetry and quartz countertop.

TECHNOLOGY & COMFORT

Proposed PV: 3.6 kWp (8 x 450 W). Heat pump, controlled ventilation and smart controls; equipment to be sized. Roof BT insignia.

GLAZING & STRUCTURE

Impact-resistant laminated glass is a requirement: product, size, pressure rating and anchors subject to approval. Proposed galvanized steel core and site-engineered foundation.

Indicative clear room dimensions; nominal 7.87 in exterior walls, 3.94 in partitions. Render and plan require coordination in final design. Not certified.

BT04 Lagoon Duo

FLORIDA LAGOON



Concept visualization / illustrative setting

2 bedrooms · 1 bathroom

651.22 ft² gross
Estimated usable interior: 569.41 ft²
Proposed deck: 213.13 ft²
Proposed clear ceiling: 8.53 ft

EXTERIOR FINISHES

Graphite coated aluminum cassette cladding; bronze fins; ventilated deck.

INTERIOR FINISHES

Porcelain flooring; gypsum lining; cement board and waterproofing in wet areas; low-emission cabinetry and quartz countertop.

TECHNOLOGY & COMFORT

Proposed PV: 5.4 kWp (12 x 450 W). Heat pump, controlled ventilation and smart controls; equipment to be sized. Roof BT insignia.

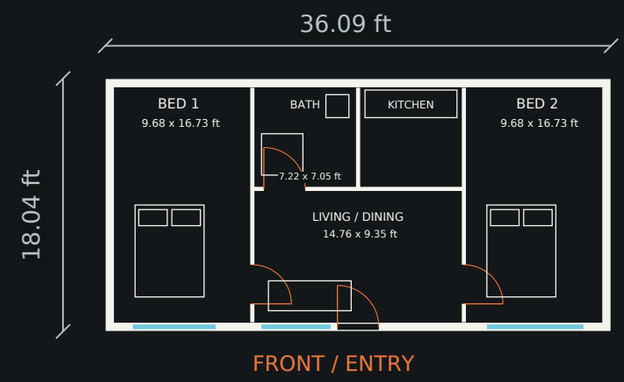
GLAZING & STRUCTURE

Impact-resistant laminated glass is a requirement: product, size, pressure rating and anchors subject to approval. Proposed galvanized steel core and site-engineered foundation.

Indicative clear room dimensions; nominal 7.87 in exterior walls, 3.94 in partitions. Render and plan require coordination in final design. Not certified.

PROPOSED FLOOR PLAN

Schematic | Dimensions govern



BT05 Pine One

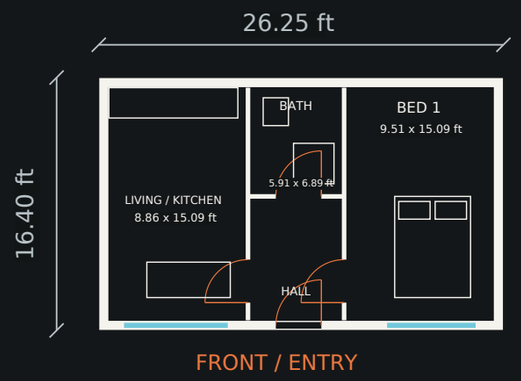
FLORIDA PINEWOODS



Concept visualization / illustrative setting

PROPOSED FLOOR PLAN

Schematic | Dimensions govern



1 bedroom · 1 bathroom

430.56 ft² gross
Estimated usable interior: 364.90 ft²
Proposed deck: 155.00 ft²
Proposed clear ceiling: 8.53 ft

EXTERIOR FINISHES

Charcoal fiber-cement and wood-look aluminum; single-slope metal roof.

INTERIOR FINISHES

Porcelain flooring; gypsum lining; cement board and waterproofing in wet areas; low-emission cabinetry and quartz countertop.

TECHNOLOGY & COMFORT

Proposed PV: 3.6 kWp (8 x 450 W). Heat pump, controlled ventilation and smart controls; equipment to be sized. Roof BT insignia.

GLAZING & STRUCTURE

Impact-resistant laminated glass is a requirement: product, size, pressure rating and anchors subject to approval. Proposed galvanized steel core and site-engineered foundation.

Indicative clear room dimensions; nominal 7.87 in exterior walls, 3.94 in partitions. Render and plan require coordination in final design. Not certified.

BT06 Canopy Duo

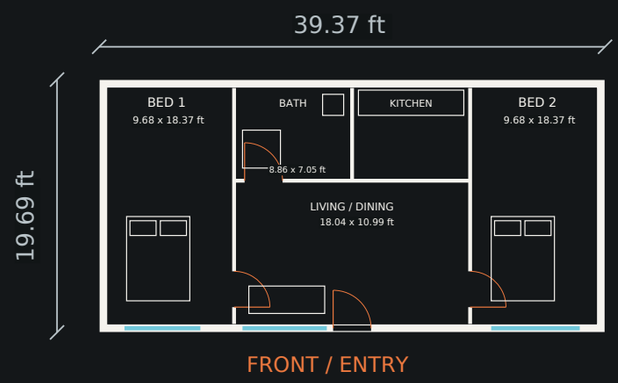
MOUNTAIN WOODLAND



Concept visualization / illustrative setting

PROPOSED FLOOR PLAN

Schematic | Dimensions govern



2 bedrooms · 1 bathroom

775.00 ft² gross
Estimated usable interior: 685.66 ft²
Proposed deck: 232.50 ft²
Proposed clear ceiling: 8.53 ft

EXTERIOR FINISHES

Dark fiber-cement; protected timber-look aluminum fins; low gabled metal roof.

INTERIOR FINISHES

Porcelain flooring; gypsum lining; cement board and waterproofing in wet areas; low-emission cabinetry and quartz countertop.

TECHNOLOGY & COMFORT

Proposed PV: 5.4 kWp (12 x 450 W). Heat pump, controlled ventilation and smart controls; equipment to be sized. Roof BT insignia.

GLAZING & STRUCTURE

Impact-resistant laminated glass is a requirement: product, size, pressure rating and anchors subject to approval. Proposed galvanized steel core and site-engineered foundation.

Indicative clear room dimensions; nominal 7.87 in exterior walls, 3.94 in partitions. Render and plan require coordination in final design. Not certified.

BT07 Halo One

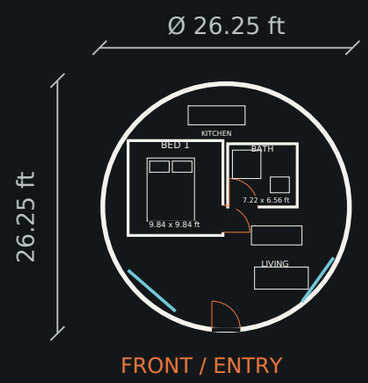
TROPICAL COAST



Concept visualization / illustrative setting

PROPOSED FLOOR PLAN

Schematic | Dimensions govern



FRONT / ENTRY

1 bedroom · 1 bathroom

541.05 ft² gross
Estimated usable interior: 475.76 ft²
Proposed deck: 155.00 ft²
Proposed clear ceiling: 8.53 ft

EXTERIOR FINISHES

Segmented white metal facade; radial roof framing; straight approved glazing segments.

INTERIOR FINISHES

Porcelain flooring; gypsum lining; cement board and waterproofing in wet areas; low-emission cabinetry and quartz countertop.

TECHNOLOGY & COMFORT

Proposed PV: 3.6 kWp (8 x 450 W). Heat pump, controlled ventilation and smart controls; equipment to be sized. Roof BT insignia.

GLAZING & STRUCTURE

Impact-resistant laminated glass is a requirement: product, size, pressure rating and anchors subject to approval. Proposed galvanized steel core and site-engineered foundation.

Indicative clear room dimensions; nominal 7.87 in exterior walls, 3.94 in partitions. Render and plan require coordination in final design. Not certified.

BT08 Horizon Duo

CALIFORNIA COAST



Concept visualization / illustrative setting

2 bedrooms · 1 bathroom

710.42 ft² gross
Estimated usable interior: 625.38 ft²
Proposed deck: 213.13 ft²
Proposed clear ceiling: 8.53 ft

EXTERIOR FINISHES

White fiber-cement, bronze privacy screens and low-slope metal roof.

INTERIOR FINISHES

Porcelain flooring; gypsum lining; cement board and waterproofing in wet areas; low-emission cabinetry and quartz countertop.

TECHNOLOGY & COMFORT

Proposed PV: 5.4 kWp (12 x 450 W). Heat pump, controlled ventilation and smart controls; equipment to be sized. Roof BT insignia.

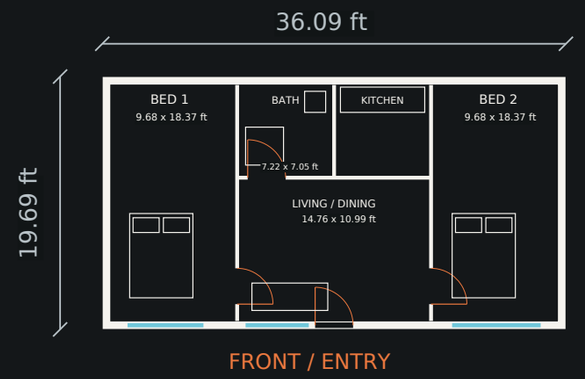
GLAZING & STRUCTURE

Impact-resistant laminated glass is a requirement: product, size, pressure rating and anchors subject to approval. Proposed galvanized steel core and site-engineered foundation.

Indicative clear room dimensions; nominal 7.87 in exterior walls, 3.94 in partitions. Render and plan require coordination in final design. Not certified.

PROPOSED FLOOR PLAN

Schematic | Dimensions govern



BT09 Pebble One

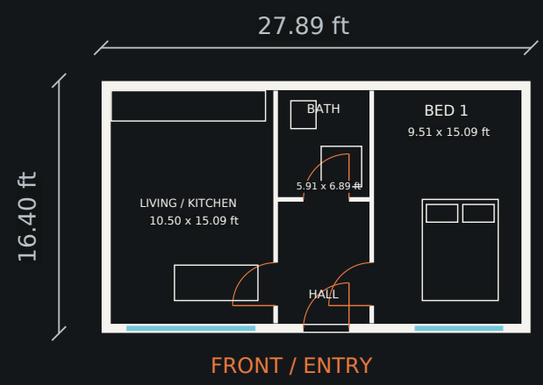
MOUNTAIN RETREAT



Concept visualization / illustrative setting

PROPOSED FLOOR PLAN

Schematic | Dimensions govern



1 bedroom · 1 bathroom

457.47 ft² gross
Estimated usable interior: 389.65 ft²
Proposed deck: 164.69 ft²
Proposed clear ceiling: 8.53 ft

EXTERIOR FINISHES

Graphite metal fairings; pale stone base; sheltered entrance and glazing.

INTERIOR FINISHES

Porcelain flooring; gypsum lining; cement board and waterproofing in wet areas; low-emission cabinetry and quartz countertop.

TECHNOLOGY & COMFORT

Proposed PV: 3.6 kWp (8 x 450 W). Heat pump, controlled ventilation and smart controls; equipment to be sized. Roof BT insignia.

GLAZING & STRUCTURE

Impact-resistant laminated glass is a requirement: product, size, pressure rating and anchors subject to approval. Proposed galvanized steel core and site-engineered foundation.

Indicative clear room dimensions; nominal 7.87 in exterior walls, 3.94 in partitions. Render and plan require coordination in final design. Not certified.

BT10 Terra Duo

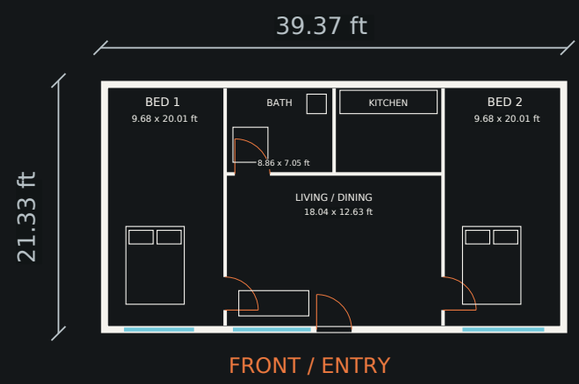
CARIBBEAN GARDEN



Concept visualization / illustrative setting

PROPOSED FLOOR PLAN

Schematic | Dimensions govern



2 bedrooms · 1 bathroom

839.59 ft² gross
Estimated usable interior: 747.02 ft²
Proposed deck: 232.50 ft²
Proposed clear ceiling: 8.53 ft

EXTERIOR FINISHES

White fiber-cement, basalt accent walls, bronze screens and protected deep porch.

INTERIOR FINISHES

Porcelain flooring; gypsum lining; cement board and waterproofing in wet areas; low-emission cabinetry and quartz countertop.

TECHNOLOGY & COMFORT

Proposed PV: 5.4 kWp (12 x 450 W). Heat pump, controlled ventilation and smart controls; equipment to be sized. Roof BT insignia.

GLAZING & STRUCTURE

Impact-resistant laminated glass is a requirement: product, size, pressure rating and anchors subject to approval. Proposed galvanized steel core and site-engineered foundation.

Indicative clear room dimensions; nominal 7.87 in exterior walls, 3.94 in partitions. Render and plan require coordination in final design. Not certified.

Construction system & details

01 / STRUCTURE & FOUNDATION

Proposed galvanized steel framing, bolted connections and corrosion protection. Site-dependent wind, occupancy, transport, seismic and snow loads. Engineer selects sections, bracing, anchors and foundations using geotechnical data; no certified structural sizes.

02 / ENVELOPE & ROOF

Ventilated cladding + water/air barrier + continuous insulation + insulated frame + interior finish. Climate-specific condensation control. Waterproof roof with slope, drainage, overflow and engineered fixings. Capsule fairings do not replace the structural core.

03 / HURRICANES & GLAZING

Flat laminated glazing and thermally broken frames. Select approved assemblies for opening sizes, positive/negative pressures and site exposure; impact documentation and HVHZ limitations where applicable. No hurricane-proof claim is made.

04 / SOLAR & SYSTEMS

Eight or twelve 450 W modules as an illustrative basis; conventional rectangular modules. Final design checks shading, roof area, fire access, setbacks, mounting height, wind, inverter, interconnection and permits. Battery optional only after load sizing and safety review.

05 / COMFORT & SAFETY

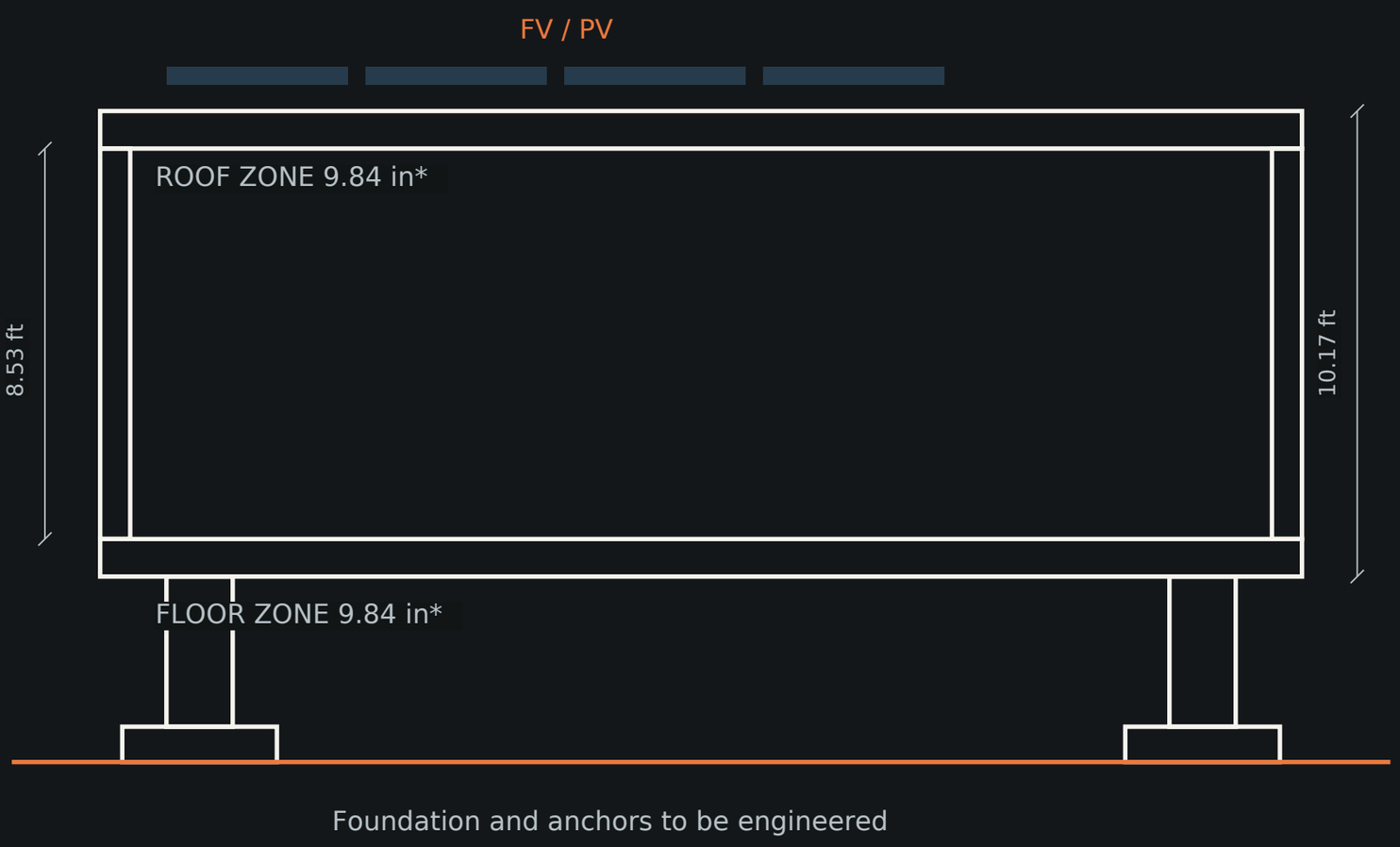
Calculate thermal and dehumidification loads, ventilation and exhaust. Coordinate electrical, plumbing, hot water, fire protection and alarms. Verify bedroom escape, accessibility, doors, bathrooms, stairs and guards for the occupancy and jurisdiction.

06 / TRANSPORT & DURABILITY

The 14.76-26.25 ft widths require subdivision or panelized assembly; single-piece transport is not assumed. Verify route, lifting, joints and erection. Coast: salt protection and maintenance. Mountain/California: adapt to moisture, snow, seismic and wildfire conditions.

Concept section & assembly layers

Coordination diagram for single-story homes. Nominal study thicknesses; not structural calculations or certified specifications.



WALL LAYERS / 7.87 in*



1. Ventilated exterior finish
2. Water / air barrier
3. Continuous insulation
4. Frame and cavity insulation
5. Interior lining

* Nominal design allowances. Coordinate thickness, insulation, fire performance, roof slopes and services with manufacturer and engineer. Final exterior height depends on roof, structure and foundation.

Path to approval

Goal: develop models for applicable codes. Current status: concepts without certification, permits or selected approved products.

FLORIDA

Reference basis on is the 8th Edition (2023) FBC; BCIS shows the 9th Edition as draft. Confirm the effective edition at permit submission. Modular route: manufacturer, plans, review and DBPR insignia; foundation, connections and site work retain local permits. HVHZ requires specific review for Miami-Dade/Broward. [1-3]

HUD / MODULAR

Do not confuse modular buildings with manufactured homes under the HUD Code. If the latter route is chosen, the manufacturer and inspections must establish the required certification; capsule styling does not provide it. Choose classification before contracting manufacturing. [4]

CALIFORNIA / OTHER DESTINATIONS

California: 2025 Energy Code for applications from 01 Jan 2026; adapt other codes, seismic design and local conditions. Maryland, New York and Caribbean: separate review of applicable codes and classification. No model has multistate approval. [5]

MANUFACTURER DEVELOPMENT PACKAGE

1. Model selection and lawful land use.
2. Survey, soil, utilities and site restrictions.
3. Coordinated architecture, structural, electrical, plumbing and HVAC drawings.
4. Load and energy calculations; product data and approvals.
5. Factory approval, quality control and prototype.
6. Transport, foundation, installation, inspections and occupancy.

Gainesville: verify use, density, setbacks, access, parking, drainage and utilities before acquiring land. The city manufactured-home guide does not replace classification or review of a modular project. [6]

Authorship: visual concepts developed for BuildTech from references. Commercial use and exclusivity require review; reference modifications or AI generation do not guarantee copyright protection.

[1] Florida BCIS / Code editions

[2] DBPR / Modular buildings FAQ

[3] Florida / Product approval search

[4] HUD / Manufactured housing resources

[5] California Energy Commission / 2025 Energy Code

[6] Gainesville / Manufactured Home Checklist

[7] U.S. Copyright Office / AI copyrightability

MP01 Coastal Capsule Village

CONCEPT COMMUNITY / 40-50 TARGET HOMES



BT03/BT04 capsule homes, rooftop solar, shared pools, clubhouse and walking paths. Landscape adapted to coast, pinewoods or mountain terrain.

Illustrative render: visible quantity and arrangement are not a technical count. Each community needs its own master plan, survey, zoning, utilities and authority approval.

MP02 Pinewood Smart Community

CONCEPT COMMUNITY / 40-50 TARGET HOMES



BT03/BT04 capsule homes, rooftop solar, shared pools, clubhouse and walking paths. Landscape adapted to coast, pinewoods or mountain terrain.

Illustrative render: visible quantity and arrangement are not a technical count. Each community needs its own master plan, survey, zoning, utilities and authority approval.

MP03 Mountain Capsule Retreat

CONCEPT COMMUNITY / 40-50 TARGET HOMES



BT03/BT04 capsule homes, rooftop solar, shared pools, clubhouse and walking paths. Landscape adapted to coast, pinewoods or mountain terrain.

Illustrative render: visible quantity and arrangement are not a technical count. Each community needs its own master plan, survey, zoning, utilities and authority approval.

48 homes / counted planning diagram



STUDY BASIS

590.55 x 393.70 ft | 232,500.47 ft²
48 numbered homes; 6 rows x 8.
24 BT03 (1 bed) + 24 BT04 (2 beds).
Site area: 5.3375 acres

AREAS & AMENITIES

26,092.72 ft² gross home floor area.
9,300.02 ft² proposed decks.
Pool A: 91.86 x 29.53 ft.
Pool B: 65.62 x 13.12 ft.
Concept clubhouse: 59.06 x 29.53 ft.

PROPOSED CIRCULATION

19.69 ft perimeter road; 22.97 ft spine; 5.91 ft paths. Parking location and capacity remain to be designed and may increase land requirements. Turning radii, accessibility and fire access remain pending.

Diagram is independent of the renders: no acquired parcel or approved subdivision is represented. Drainage, utilities, pool plant and landscape reserves remain to be sized. This layout has not been demonstrated on a smaller parcel.

Area calculations | Square feet & acres

US-unit revision - original physical dimensions and project scope preserved.

CALCULATION BASIS

1 acre = 43,560 ft². Rectangular area = length (ft) x width (ft).

Circular area = pi x [diameter (ft) / 2]². BT07 diameter: 26.246719 ft.

Values use unrounded conversions; displayed dimensions are rounded to 0.01 ft.

Interior areas remain estimates; gross exterior areas include walls and exclude decks.

48-HOME PLANNING STUDY

Site dimensions	590.551181 ft x 393.700787 ft
Site area	232,500.47 ft² / 43,560 = 5.3375 acres
Gross home floor area	24 x 435.94 ft² (BT03) + 24 x 651.22 ft² (BT04) = 26,092.72 ft²
Proposed decks	24 x 174.38 ft² + 24 x 213.13 ft² = 9,300.02 ft²
Pool A / Pool B	2,712.51 ft² / 861.11 ft²
Concept clubhouse	1,743.75 ft²
Home floor area / site area	11.22% (excludes decks, amenities, roads and landscape)
Concept housing density	48 / 5.3375 = 8.9930 homes per acre

Totals use full precision; rounded component values can differ slightly when added.

The source portfolio includes no monetary prices; no sale or construction prices are introduced.

Land requirement remains conceptual and depends on zoning, parking, utilities and site engineering.