



Accompanying Narrative:

Inspired by the soft jades of the Luna Moth, Luna Moon Home features a central circular passage that lets both sunlight and moonlight move through. Venetian plaster walls applied with thin translucent layers imbues the space with shifting shades of soft jade green and iridescent polish finish. Made from natural materials including powdered stone marble, the venetian plaster is durable, easy to clean, humidity balancing and breathable, supporting fresh air quality.

Designed and built in 2022 for a small family, this DADA was created for customers who wished to provide more housing while preserving the rich garden environment and large trees on their small lot. The design uses a midway terraced green roof and natural cedar cladding to create a dwelling that blends in without compromising interior space. The foundation was designed to accommodate a large living Cedar tree and its critical root system. A tall living room window highlights the conifer. Rainwater downspouts supply water to the tree that would otherwise be diverted by the structure.

Constructed with 80% recycled interior wood, honey tones and rich reds provide counterbalances of color. Manzanita, known for its superior strength, adds spiral branch character as shelving support. A recycled copper backsplash located beneath inset lighting protects the walls while bouncing light back onto the countertops.

The Kitchen is fit with a folding expandable peninsula, induction range, convection oven, and a multifunction sink. The peninsula doubles as a bar seating area for the chef who loves to entertain, but doesn't have the space for a large kitchen. The kitchen was laid out so all necessary cooking implements and ingredients are located in close proximity for ease and accessibility of use. On demand hot water provides limitless hot water, saves space, has long lasting durability, and uses approx. 34% less energy than typical storage tank water heaters.

The ground level lower floor with kitchen, bathroom, and adaptive living space is accessible for seniors, and the design is easily adaptable for first floor ADA accessibility.

A 2nd floor loft offers additional storage or living space. Its open lofted design allows the ADU to feel tall, spacious and filled with sunshine.

Ceilings are finished with beetle kill pine as a low cost sustainably harvested wood while adding unique blue tinted patterning. Skylights fitted with stained glass cast shades of pink and amber.

Every stair of the staircase contains a rolling magnetic drawer for innovative space saving storage.

The bathroom's walk in shower, handrail and slip proof stone supports accessibility.

A ducted inverter heat pump provides AC, heat and air filtration while providing superior energy efficiency and air quality.

Handmade Saltillo terracotta tiles are one of a kind, durable and easy to clean bringing the brightness of warm sunshine to the room while maximizing the conductivity and retention of the in-floor heating system.

Large windows fill the entirety of the south facing walls and are positioned to optimize the solar heat gain of the low angle winter sun. A low E coating helps to reflect the hot summer sun, and they are also fitted with thermostat integrated automatic blinds for heat regulation.

Smart control lighting with safety settings provides greater convenience and ease. An automatic solar lighted pedestrian path turns on at dusk outside the door.

The DADU contains insulation in excess of standard code requirements as well as a full thermal envelope beneath the exterior cladding. This encapsulates the home to prevent thermal bridging and vapor drive.

The midway roof incorporates a lightweight living roof design for year round landscaping while reducing stormwater runoff and moderating roof temperatures.

The roof is finished with a durable metal roof and a 5.6 kw solar array. This, along with the grid tie inverter provides power to both the DADU and the main house. A 30kw lithium backup battery helps buffer the system during power outages and low solar times. The battery is able to feed power into the grid during peak demand hours, and store energy during slow demands. This small but mighty DADU puts out enough power to cover its own use and still sell power back into the grid year round!

With wood frame construction the exterior is finished with arcing designs of cedar siding and is trimmed with Sugi Ban Cedar. An ancient method of fire torching and brushing for long lasting preservation.

Luna Moon Home was designed with senior living and adaptability in mind. New energy efficient technology combines smart easeful use with wise investment through solar grid returns. Upcycled and sustainable wood, artisan finishes, and open design architectural features makes this home stand out for its innovation and beauty.