

SPECIFICATION WORKSHEET #4

KALIHI KAI VISTA LEED INITIATIVES & DURABILITY

DURABILITY

Foundations Raised to 12"	6" higher than Building Code to prevent moisture from entering home
No Plantings within 2ft of Exterior Walls	Walkways with Pavers / River Rock direct Rainwater away from the Structures
Base Plate	Durable & Low Maintenance
Sealed Imperial Plaster	Durable & Low Maintenance
Dryvit Exterior Plaster	Durable & Low Maintenance
Copper Clad Fascia	Durable & Low Maintenance
Copper Gutters	Durable & Low Maintenance
Termi-Mesh	Protects Home from Termites
Roof Construction	See Detail Cross Section Drawing in Plan Set (includes Polyguard TU Plus Roof Paper)
Stainless Fasters & Brackets	Durable & Low Maintenance

WATER EFFICIENCY

Custom Low Flow Aerators in Bathroom Faucets	Water Flows at 1.5 gallons per minute vs. the standard 3.5 gallons per minute
Custom Low Flow Aerators in Shower Fixtures	Water Flows at 1.75 gallons per minute vs. the standard 2.5 gallons per minute
Kohler Dual-Flush Toilets	Regulated water consumption of .8 or 1.6 gallons per minute
Rain Water Catchment Cistern	4500 gal. Capacity for Irrigation Requirements

ENERGY & ATMOSPHERE

Energy Star Appliances	All Stainless Steel
Energy Star Ceiling Fans	Minka 60" Variable Speed
Gas Powered Wolf Range	w/ 1200 CFM Exhaust Fan
LED and Compact Fluorescent light bulbs throughout	Minimizes Energy Consumption
Landscape Lighting Timers	Minimizes Energy Consumption
Insulated Hot water Pipes	Reduces Water Heating Requirements
Low-Emission Glass in Windows and Doors	Reflective Glass that can reduce heat gain by up to 60%
(3) 120 Gallon Solar Hot Water Heaters	450 Watts set on a Timer
LED and CFL Light bulbs used in landscape lighting	Less than half the usage of standard Incandescent Bulbs
8.7 KW Photovoltaic System	MA SB-5000US W - SUNNY BEAM Inverter
(36) 230 watt PV Modules on roof.	Tempered Glass, EVA lamination and weatherproof backskin providing longer life
Outdoor Foot Mats at Entry's	Prevention of contaminates from entering the building
Solar Roof Fans	Promotes Natural Ventilation
Radiant Barrier	R19 Equivalent Significantly Reduces Cooling Requirements
Water Filtration System	PELICAN CARBON SERIES Whole House Water Filtration System w/ 1,000,000 Gal Capacity

AIR QUALITY, COOLING AND VENTILATION

Copper Soffit Vents	Promotes Natural Ventilation
Ashrae 62 Rated Fans in all Waterclosets	Filter Airborne Contaminates to 3 Microns
Under house Dehumidifier and 6000 CFM Exhaust Fan	Minimizes Under house Humidity Levels
Radiant Barrier in all Ceilings and all Walls	R19 Equivalent Significantly Reduces Cooling Requirements
Solar Powered Exhaust Fans for all Ceiling Cavities	Promotes Natural Ventilation
Low VOC Adhesives	Prevents Off-gassing
Imperial Plaster Wall Finish	Prevents Off-gassing
Cedar Lined Closets	For Mold & Mildew Prevention
Closet Heaters	For Mold & Mildew Prevention
Carbon Monoxide Detectors	Protects Occupants

FSC (Forestry Stewardship Council) CERTIFIED MATERIALS

Plantation Grown Kempas Harwood Flooring
Plantation Grown Kempas Hardwood Baseboards
Plantation Grown Bankerai Hardwood Ceiling
Plantation Grown Western Red Cedar Decking
Plantation Grown Beech Wood Cabinets and Vanity Tops
Plantation Grown Cedar Shingles
Bankerai Hardwood Roof Structure Cladding

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FSC offers a comprehensive set of universally applicable requirements for responsible forest

RECLAIMED OR RECYCLED MATERIALS

Reclaimed Teak Windows and Doors	100% Recycled Material
Concrete and Recycled glass Counter Tops	75% Recycled Material
Recycled Slate Tile from existing Site used in Common Shower	100% Recycled Material
Original Framing studs used in New Construction Framing & Form Work	25% Recycled Material
Recycled Old Roof Tile and Tile Floors - crushed & used in Drywells	100% Recycled Material

LANDSCAPE & IRRIGATION

Low Water Usage & Drought Tolerant Plantings	Minimizes Irrigation Requirements
Seashore Paspalum Grass	Salt Air & Drought Tolerant
Endemic Species	Non Invasive Species
Irrigation on Rain Sensor Timers	Minimizes Irrigation Requirements
Irrigation Pump and Accumulator Tank	Pressurizes Water from Fresh Water Cistern
4500 Gallon Rain Water Catchment Cistern	Minimizes Irrigation Requirements
Rain Chains and Pots Plumbed to Cistern	Minimizes Irrigation Requirements
High Solar Reflective Index (SRI) Surface Colors for Hardscapes	Reduces Heat Island Effect from Walkways & Driveway

DRAINAGE AND EROSION CONTROL

Dry Wells	4 Drywell Systems to absorb Rainfall and minimize erosion
Boulder Walls	Extensive (over 300 feet) of Boulder Walls to improve Grading for Rainfall Run-off and Minimize effects of Heavy Downpours
Copper Gutters & Carved Stone Rain Pots w/ Rainchains	Rain Pots fed by Rainchains from Copper Gutters are plumbed underground directly to Cistern
Level Curb for Sheet Flow	Concrete Curb to promote sheet flow to neighboring lot
Drains to Daylight	Perforated Pipe around Foundations leading to Daylight / Rain Gardens
Walkways w/ River Rock at Exterior Walls	No Plantings within 2ft of Exterior Walls - Walkways with Pavers / River Rock direct Rainwater away from the Structures
Rain Gardens	Overflow utilized for Irrigation Supply
Copper Gutters	Degreases localize erosion at ground level. Minimizes risk of water penetration at foundation.