

## MATERIALS

Quantity	Description	Source (O'ahu)	Approx. Total Price
1.5	4"x4"x96" redwood or cedar posts	Hardware Hawai'i	\$40
4	12' Trex composite decking boards, #576538	Honsador	\$135
40	3" stainless steel deck screws plus driver bit	City Mill, Hardware Hawai'i, etc.	\$17 (75-pack)
1.25 cubic yards	Soil/Compost ("Lawn & Garden Blend")	Hawaiian Earth Recycling (or other source)	\$35.70 (plus delivery cost; can also be picked up by personal trucks)
To cover 4'x8' area	Cardboard with packing tape and staples removed and newspaper (thick layer; to kill grass without having to dig it out)	Check with cafeteria or local grocery stores for empty boxes	Free



## TOOLS

Drill, saw, tape measure, extension cord, pick, shovel, wheelbarrow, buckets.

## BUILDING INSTRUCTIONS

1. Cut redwood post into six 14" long pieces.
2. Cut each decking board into an eight-foot and a four-foot board.
3. Assemble as shown in the diagram. For transport, it is easiest to assemble the ends off-site (posts and four-foot boards), then attach the sides on-site.
4. Place one post in the middle of each 8' side, on the inside of the bed. Screw in place to both top and bottom boards (this will prevent bowing over time).

*Note: These directions can be modified to use metal brackets at each corner rather than using redwood posts.*

## INSTALLATION INSTRUCTIONS

1. Dig a trench in the soil for the border to fit into (with slightly deeper holes for posts). At least 1/4 of the total border height (about 3 inches) should be below ground to prevent soil loss.
2. Place the border in the trench. Take the time to adjust the trench as needed so that the border is level and straight. Fill soil into trenches to hold border in place.
3. Completely cover the grass inside the border with a thick layer of cardboard and newspaper. Dunk cardboard in water so it will begin to break down.
4. Fill the garden bed with a mix of soil, compost, and decomposed mulch to the top of the border. Fill as much as possible since soil will compact with watering.
5. Amend the soil with natural amendments (e.g. compost, vermicast, fully composted manure). Water the soil well and cover with burlap or cardboard for shade. Keep the soil moist and let the bed rest for about a week before planting.
6. Optional: Instead of using imported soil, build a layered compost pile inside the garden border, water it regularly to assist with decomposition, and plant into the finished compost (about a 2-3 month process).
7. Optional: Place dry cardboard/newspaper and a thick layer of mulch (e.g. wood chips) in the pathways around the garden bed to keep grass away.

