Cape Cod Beach Cottage
Design and Process

Why This Cottage?
1. Direct access to the beach from main path.
2. Entrance to the bathroom from both the inside and the outside so that the hardwood floors don’t get dirty after a day at the beach.
3. Painting space overlooking the ocean, with a large window to bring in a lot of light.
4. Inverted roof makes the cottage feel spacious within, and projects the view outwards towards the beach.
5. Manual opening windows to allow for cross ventilation in the summer heat.

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Site Plan
Floor Plans

Changes:
Smaller window out of painting room
Different Entrance
Removal of reading space
Isometric Rendering
Schemes 1 and 2

Raised Roof-lets in light but bad for winter weather

Scheme 1

Roof lowered and now rests on wall

Scheme 2

Window smaller and has divided window frame

Alternative entrance. More accessible from path
Isometric Rendering
Schemes 1 and 2

Scheme 1: The large window allows for a large amount of light, but mainly direct light. Therefore, there are dark shadows, and glare on the work surface.

Scheme 2: The smaller window with the partitioned window frame brings in less light, but the light is diffuse, allowing for sufficient lighting of the entire room, with no glare on the work surface.
Photo
Rapid Prototyped Model