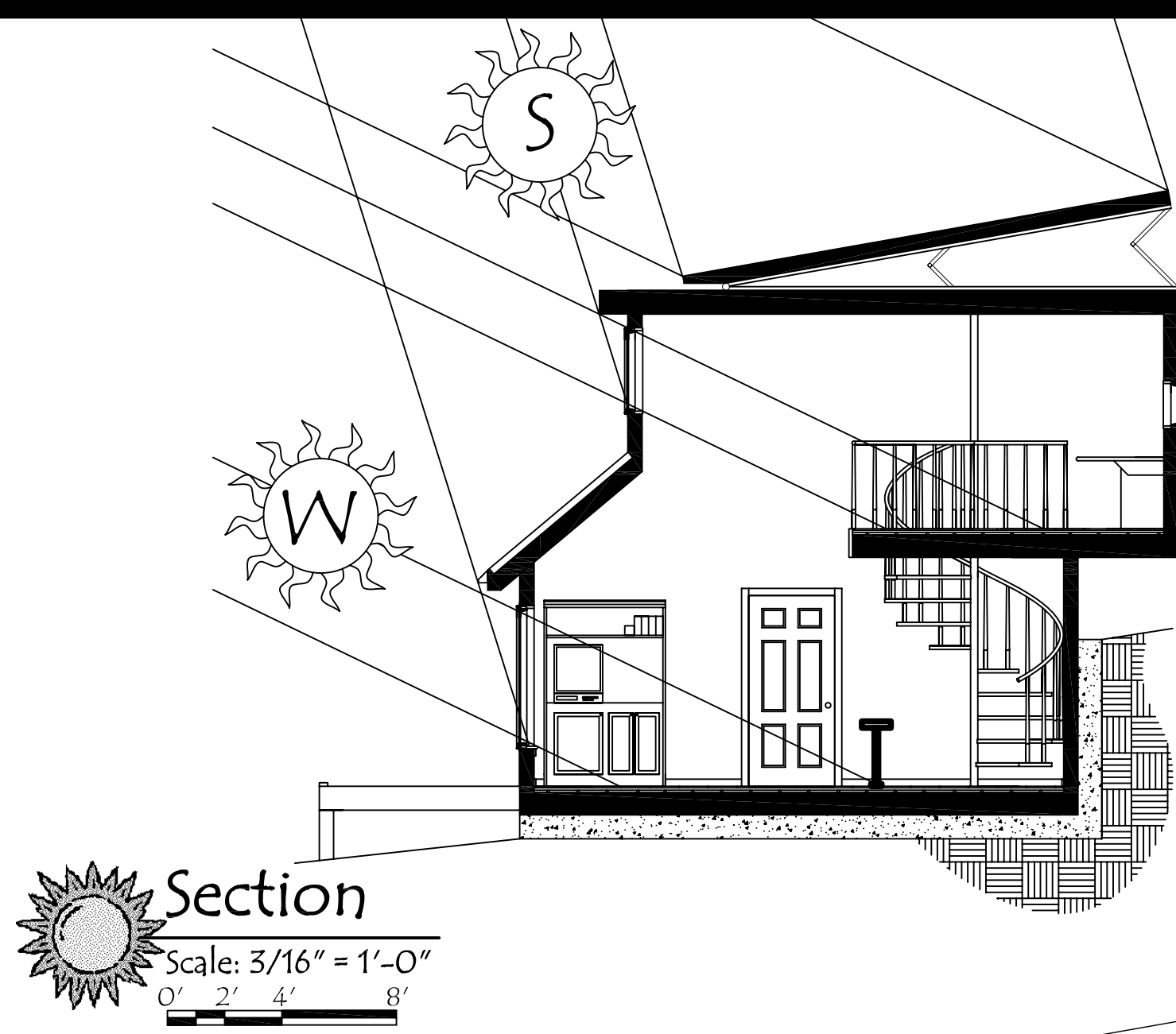


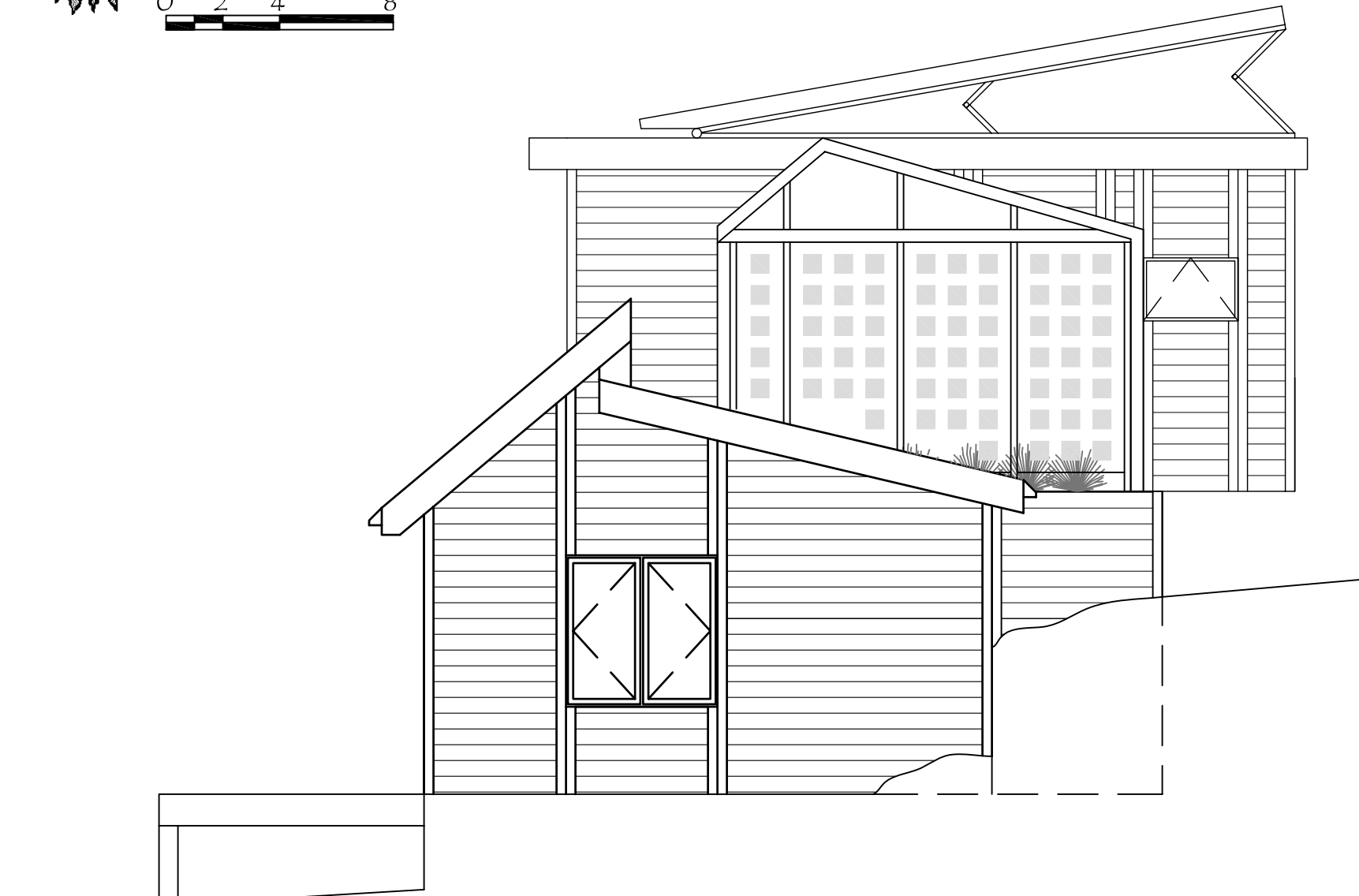
# The Morningstar Home

"The *Solar* Power  
is yours!"

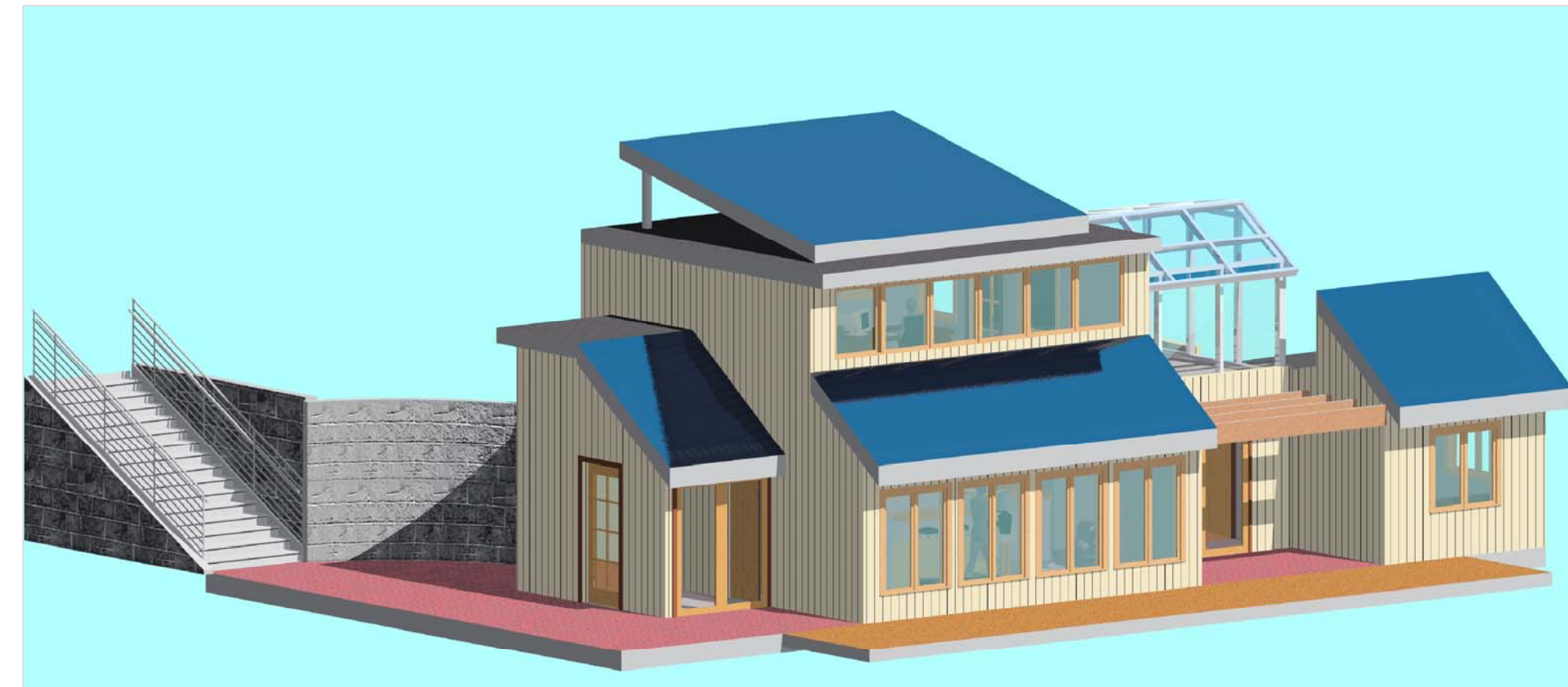
Designed by:  
The Planeteers



Section  
Scale: 3/16" = 1'-0"  
0" 2" 4" 8"



East Elevation  
Scale: 3/16" = 1'-0"  
0" 2" 4" 8"



3D Rendering

## Transportation:

For transportation, our house could be split up into many different modules, the smaller modules would then be placed inside of the larger modules for the duration of the trip. Then they would be removed and reassembled on the site in Washington D.C.

## Materials:

Low-e Double Paned  
Windows

Solar Thermal Heat  
Collectors  
Preheats the water for the radiant  
heat system, saving energy.

Brick Patio  
Absorbs heat during the day,  
releases heat at night.

Photovoltaic Panels  
Total Area: 497 square feet

Radiant Heat under Wood  
Floor  
Radiant heat is extremely energy efficient

Radiant Heat under Ceramic  
Tile  
Ceramic tile absorbs the sun's heat  
during the day and radiates heat at night.

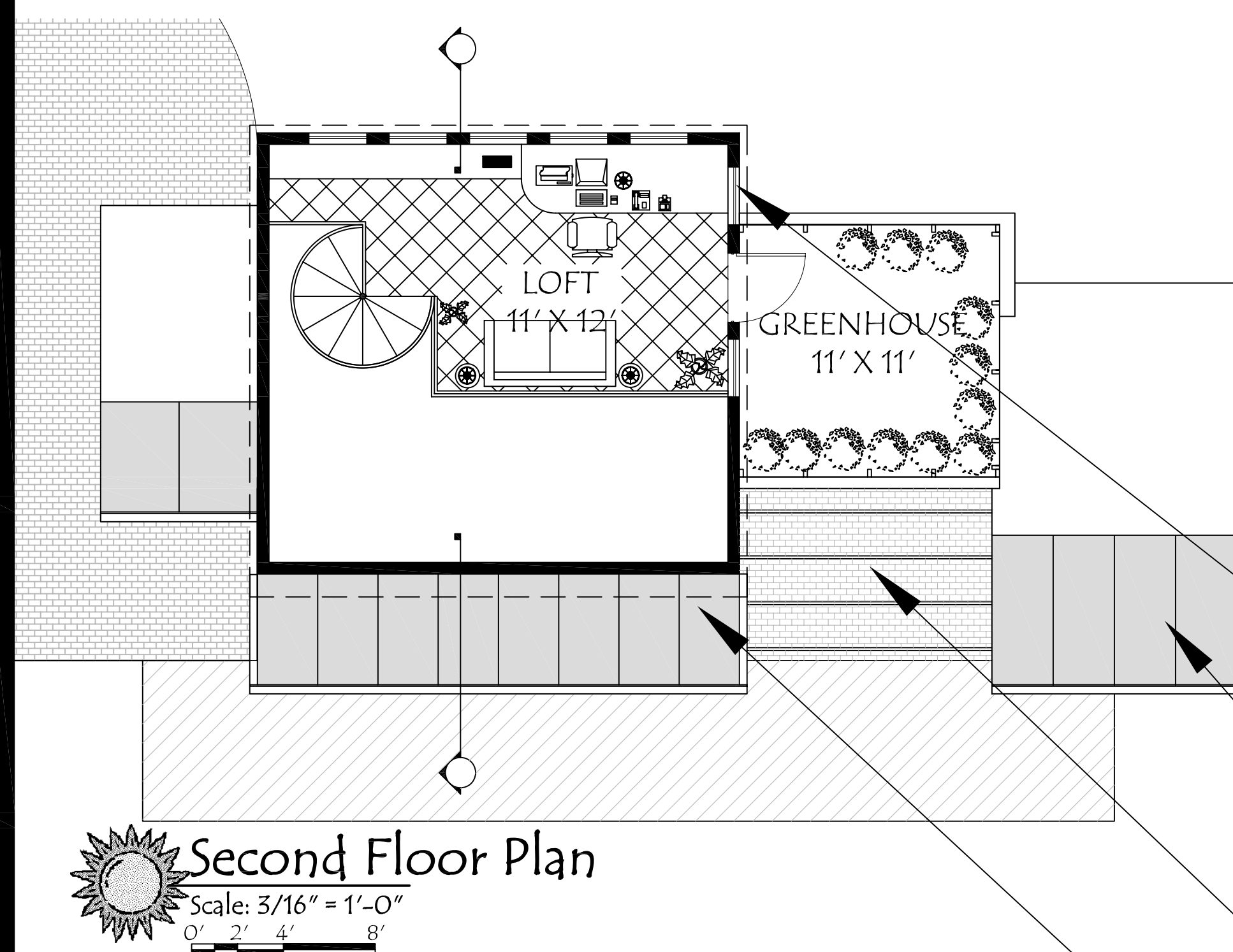
6" Structurally Insulated Panels  
Provides structural support and  
insulation at the same time.

Wood Deck  
Allows interior space to extend to the  
outdoors using a renewable resource.

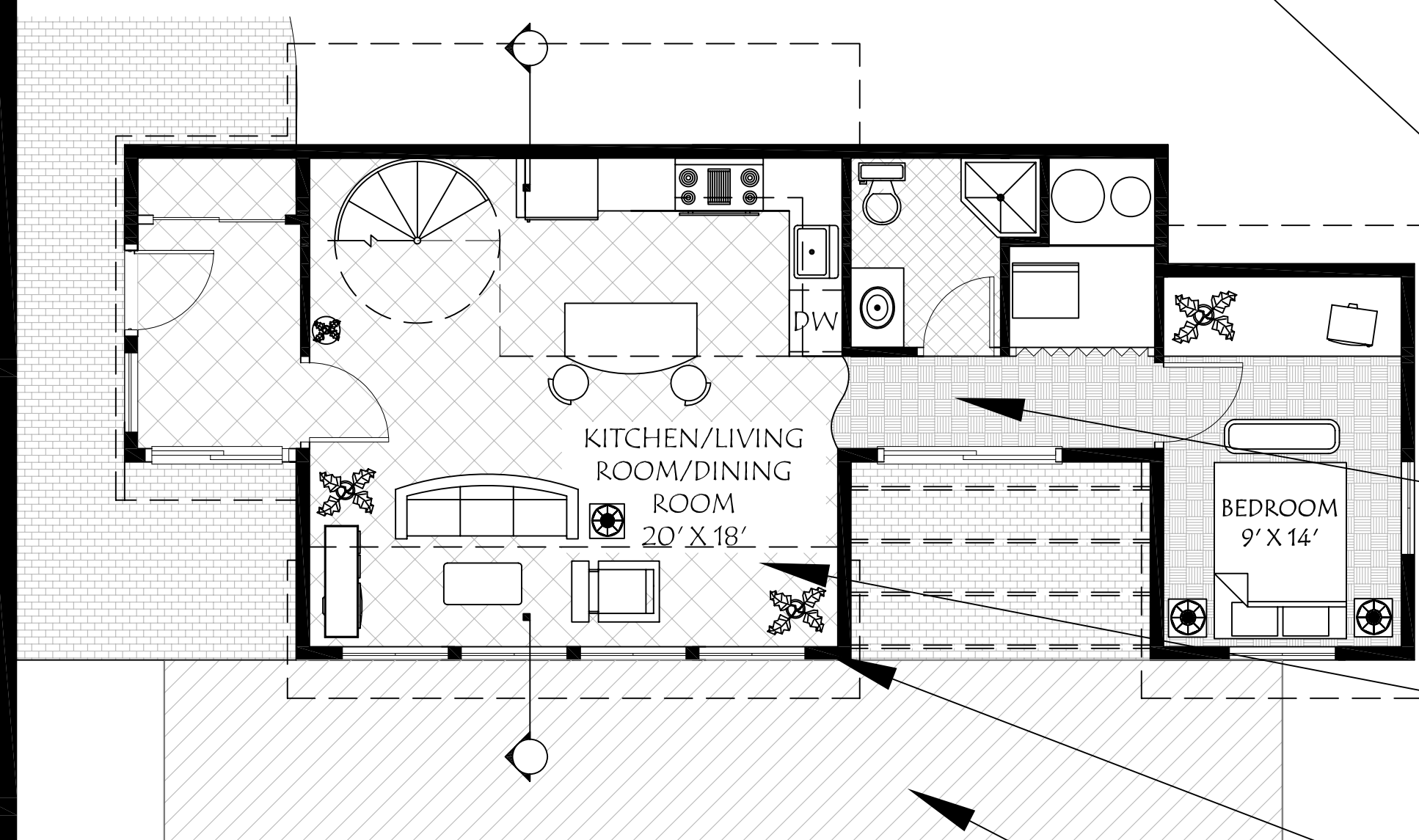
Partial Photovoltaic Glass Panes  
Single 6" X 6" Solar cells suspended  
in low-e double paned windows.

Optional Roof Garden or  
Greenhouse  
Helps to keep heat from escaping.

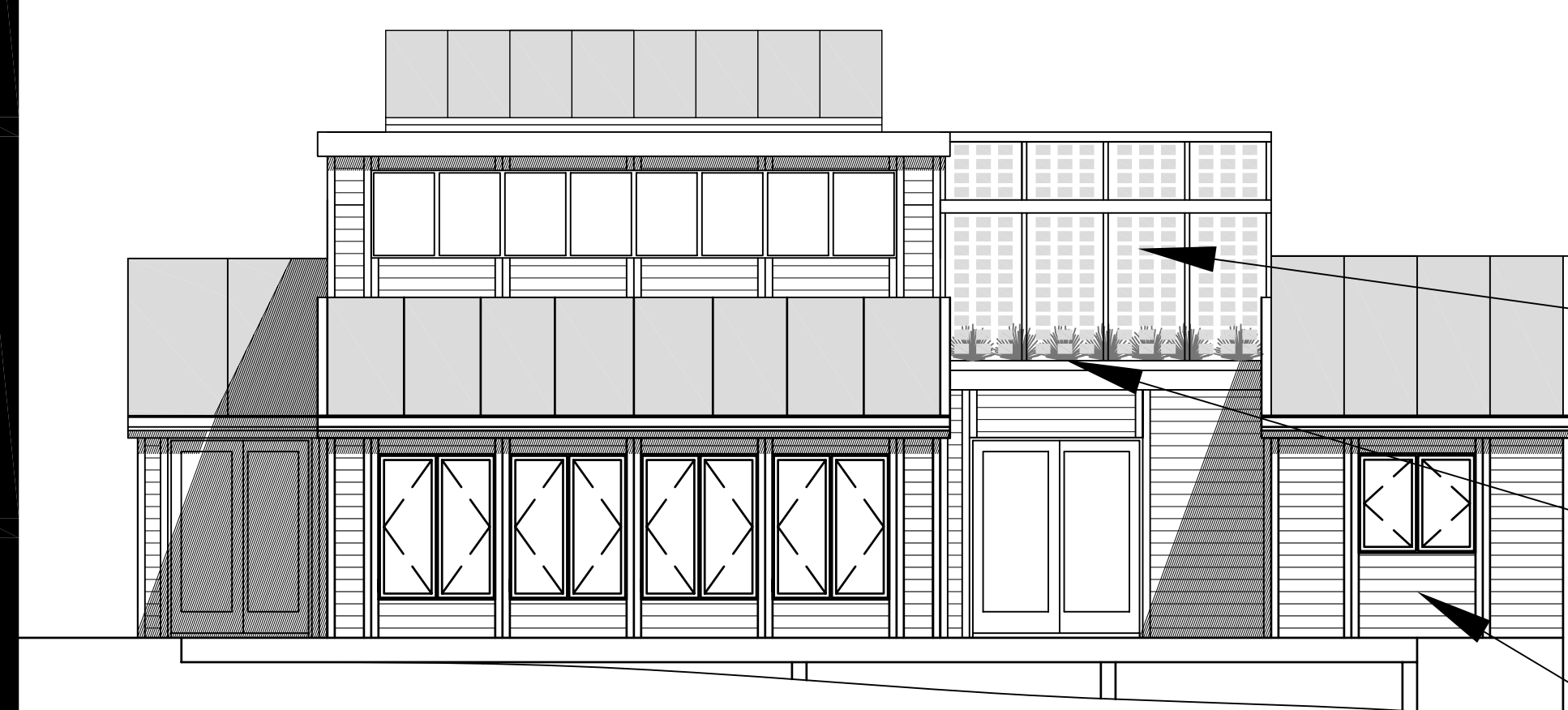
Wood Siding Panels for easy  
Transportation



Second Floor Plan  
Scale: 3/16" = 1'-0"  
0" 2" 4" 8"



First Floor Plan  
Scale: 3/16" = 1'-0"  
0" 2" 4" 8"



South Elevation  
Scale: 3/16" = 1'-0"  
0" 2" 4" 8"

