The Starship is constructed of pre-fabricated components that can be assembled and utilized for a period of time on a particular site; and then be disassembled, transported and re-assembled on a new site. Shipping containers are re-purposed as flexible live / work and support spaces. The center of the Starship shall be a large gathering space for activities as varied as concerts, parties, meetings, maker space, and co-working.

20’ modified shipping containers are primary building module and provide a plug n play framework for interior spaces as well as the off-grid infrastructure components. The container modules and other elements will be covered with murals and other elements to integrate artistic expression throughout the Starship.

Container Module Assembly

A. Flex Module - 20’ x 8’ modified shipping container w/ glass garage door & Murphy Bed.
B. Twist Lock Container Connector - Connects upper and lower shipping containers.
C. Flip Down Deck - Bolted to shipping containers and steel struts.
D. Strut - Bolted to shipping container to support flip down deck.
E. Floor Deck - SC90 Platform w/ TREX flooring, connected to purlins.
F. Leveling Jacks - Connect substructure to concrete pads.
G. Floor structure - Steel beam “wagon wheel” substructure.
H. Handrails - Bolted to upper decks / ramps.
I. Foundations - Concrete ballast pads
J. Purlins - Span between floor beams and support decking system.
K. Gap panels - Span between container decks to create circular walkway.
L. Lounge Module - 20’ x 8’ modified shipping container - walls removed.
M. Entry Module - 20’ x 8’ modified shipping container - walls removed.
N. Folding Glass Wall System - Operable door system w/ center egress door panel.
O. Flip Down Ramp - Entry Ramp, bolted to shipping containers.
P. Plumbing Module - 20’ x 8’ modified shipping container for Restroom.
Q. Transportation Mode - Flip down decks deployed / Handrails & Collar installed.

Construction Notes

1. Geodesic Dome w/ operable vents
2. “Roll n’ Roll” aluminum truss roof structure
3. Double membrane fabric roof w/ radiant barrier & insulation
4. Translucent membrane cladding for ambient daylighting
5. Retractable shade awning to reflect solar gain in cooling mode
6. Solar gain in heating mode
7. Natural ventilation - intake from entry module / exhaust thru vents
8. Modified shipping container module
9. Collar w/ fabric roof structure
10. Concrete ballast pad foundation
11. Steel beam “wagon wheel” substructure
12. Flip down decks
13. Flip down ramp
14. Utility chase
15. Mini-split HVAC for container modules
16. Roof water collected to fresh water storage
17. Fresh water supply to plumbing
18. Grey water to filtration & storage
19. Grey water supply to plumbing
20. Black water to Bio reactor

Level 2 Plan
Scale: 1/16 = 1'-0"

Level 1 Plan
Scale: 1/16 = 1'-0"

Building Section
Scale: 1/8 = 1'-0"

Container Module Key

- Flex Modules: Live / Work / Meet
- Lounge Modules: Eat / Chill / Meet
- Office Module: Management / Admin
- Entry Module: Entrance / Porch
- Plumbing Module: Restroom / Showers / Laundry
- Kitchen Module: Commercial Kitchen
- Utility Module: Mechanical / Electrical
- Storage Module