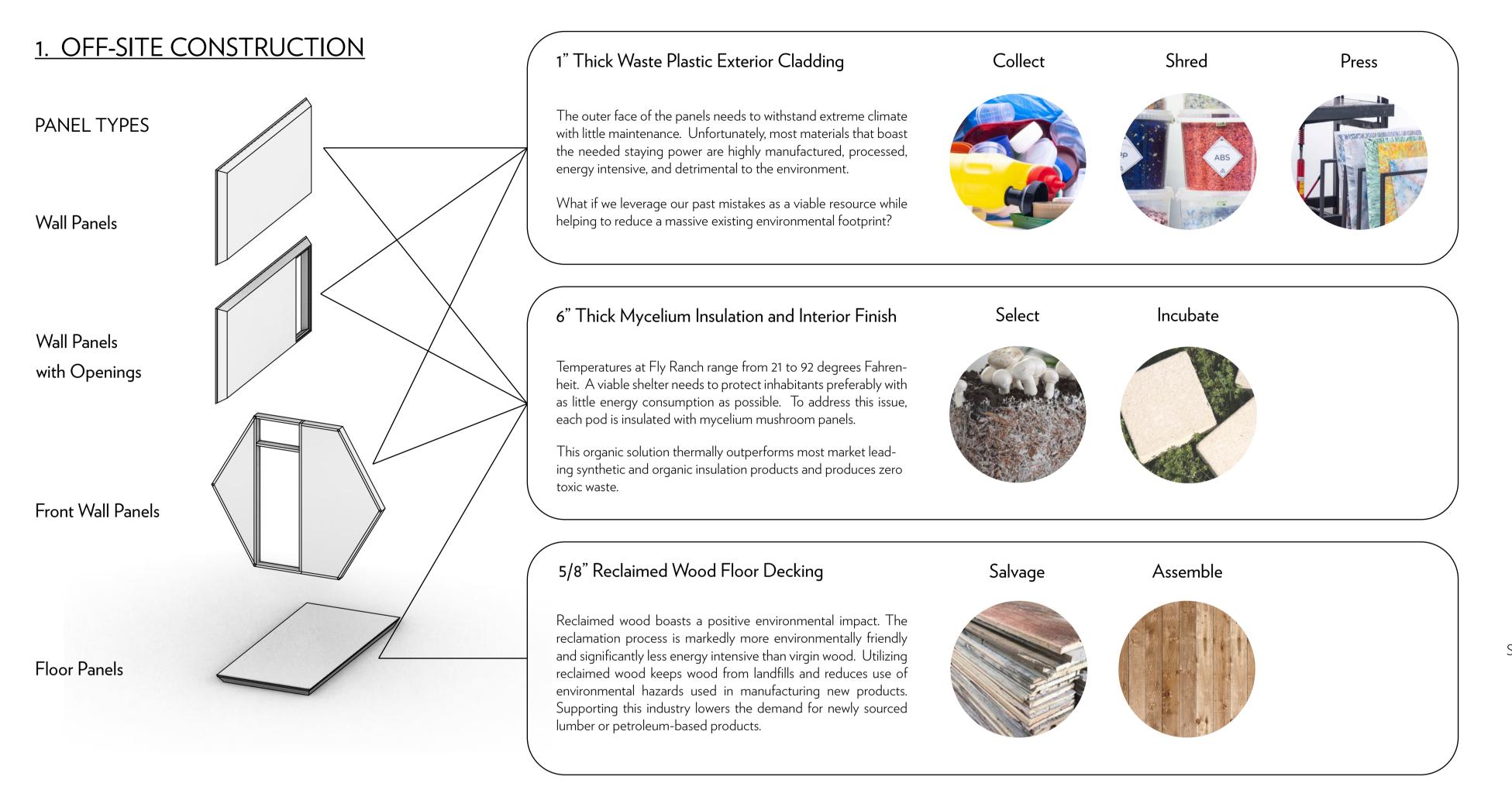
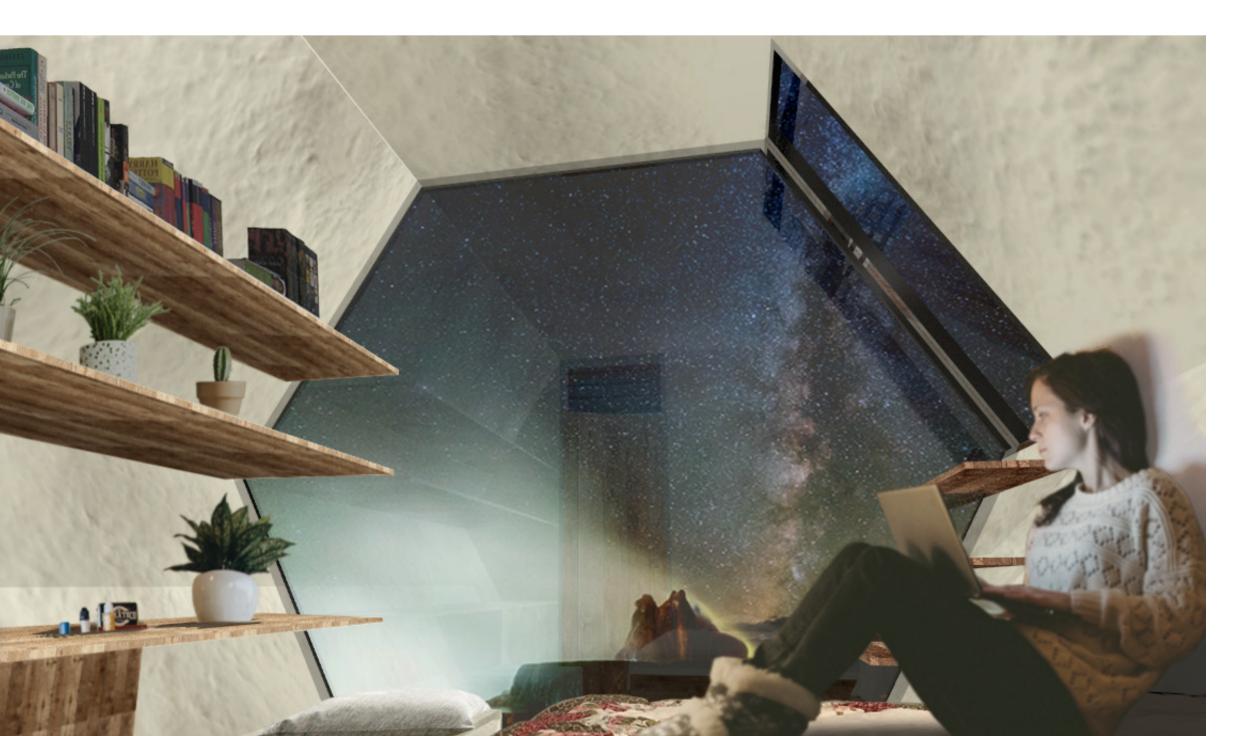
PROTOTYPE OF A FLYPOD

We opted for the most economical method to construct structurally stable shelter pods by pre-constructing wall and floor panels off-site in a controlled environment and assembling those panels on site using non-skilled labor. With sustainability and material lifecycle as main design focus, the panels are fabricated with exterior cladding made with sheets formed from shredded waste plastic, insulation incubated from mycelium, and accents walls made of reclaimed wood. Broadening the scope, we envision adapting the concept to be viable temporary or transitional housing, or for other parties in need.



Total Carbon Reduction of I	ΞL\	(HIVE
5,828 ft² of reclaimed wood	=	8,000 lb
4,092 ft² of solar cell sheets	=	51,000 lb/yr
13,500 ft³ of mycelium	=	656,000 lb

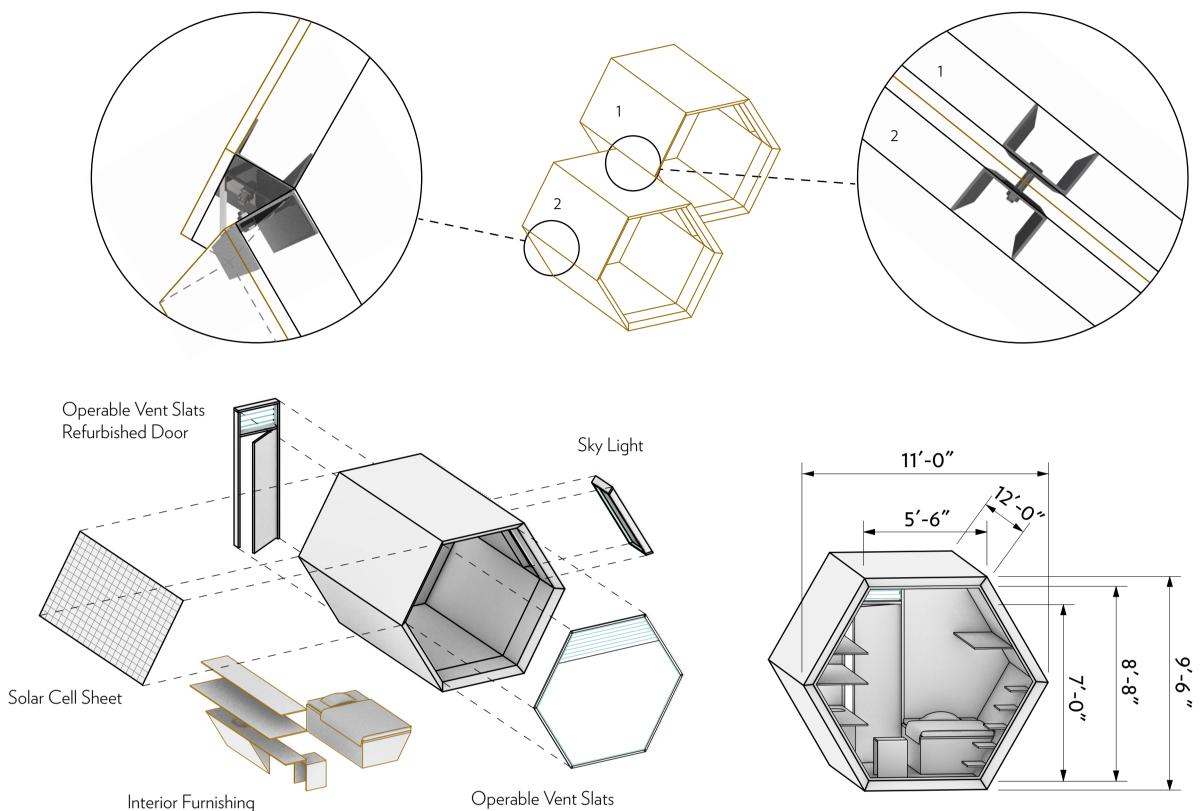
Total Waste Diverted from Landfill 216,000 lb of waste plastic reused 15,000 lb of reclaimed wood used



2. ON-SITE ASSEMBLY

Panel to Panel Connections

Each panel will be constructed using cold formed steel perimeter framing members. The panels will be connected to each other by inserting steel wedges into the gap between the framing members and each panel will bolt into these wedges





Pod to Pod Connections

The pods will be connected to each other by aligning one pod face to another and inserting through bolts all along the perimeter. The pod finishes will have predrilled holes to accept the connection and there will be access holes on the interior of the pods to secure the nuts to the bolts

Operable Vent Slats Double Pane Acrylic Window