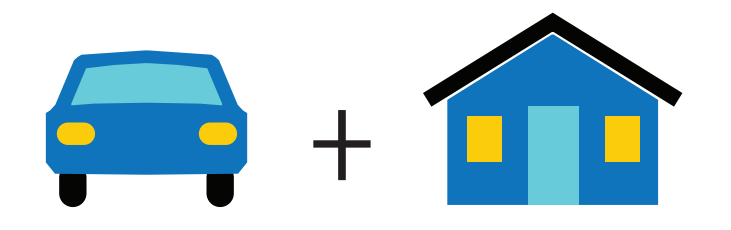
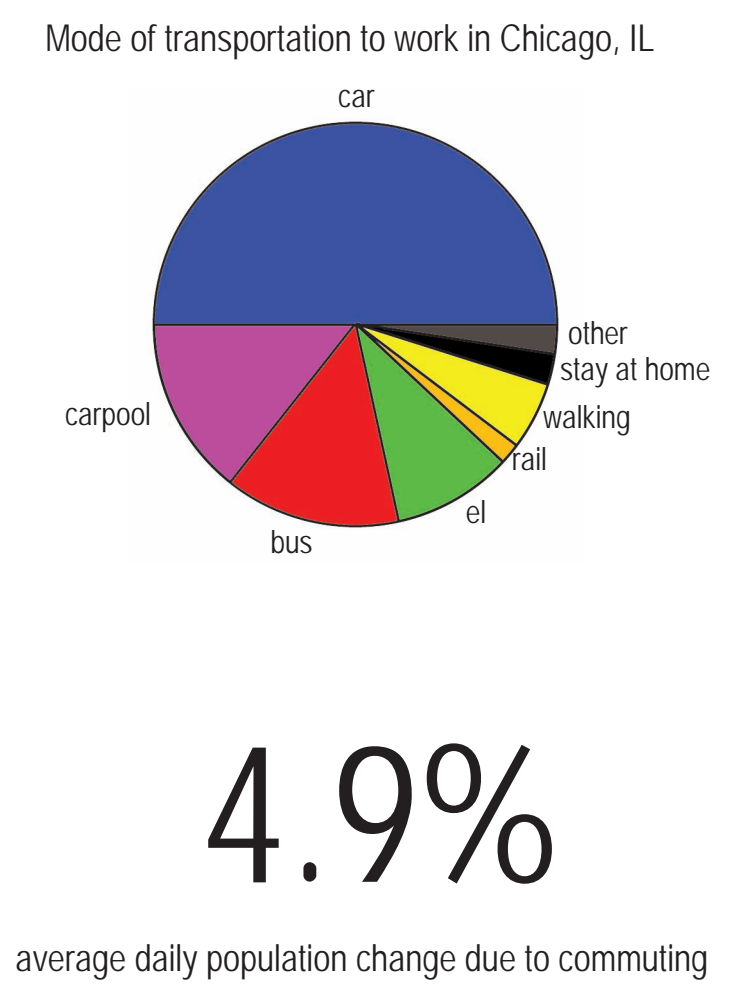


the nomad

Inspired by a need for personal space in a fast paced, highly mobile world, the nomad project combines the mobility and strength of a pickup truck with the convenience of a small living space. By combining a work space, kitchen, sleeping area and bathroom, this project allows this compact space to allow for the comforts of a home to be available wherever a person can travel. Precedents from history, origami, the automobile, furniture and even toy industries were studied to develop a transformable and deployable structure that allows the project to compact further to take up less space when being driven or simply parked. This exploration of the duality of interior space experiments with the folding of program space from a collapsible set of planes to a space which can be used in daily life. Users of this project are intended to be traveling students, business people, scientists, or potentially campers. The idea is for the space to be usable for living in situations which address the temporary stay, and the movement to, from, and between the checkpoints of life.

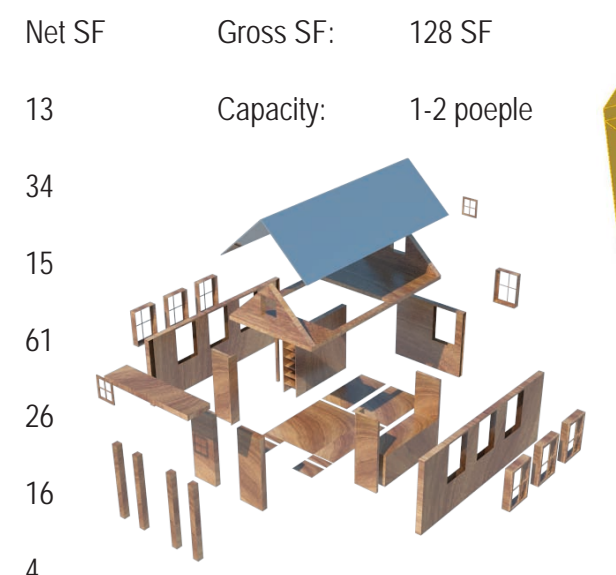


Precedents

Site

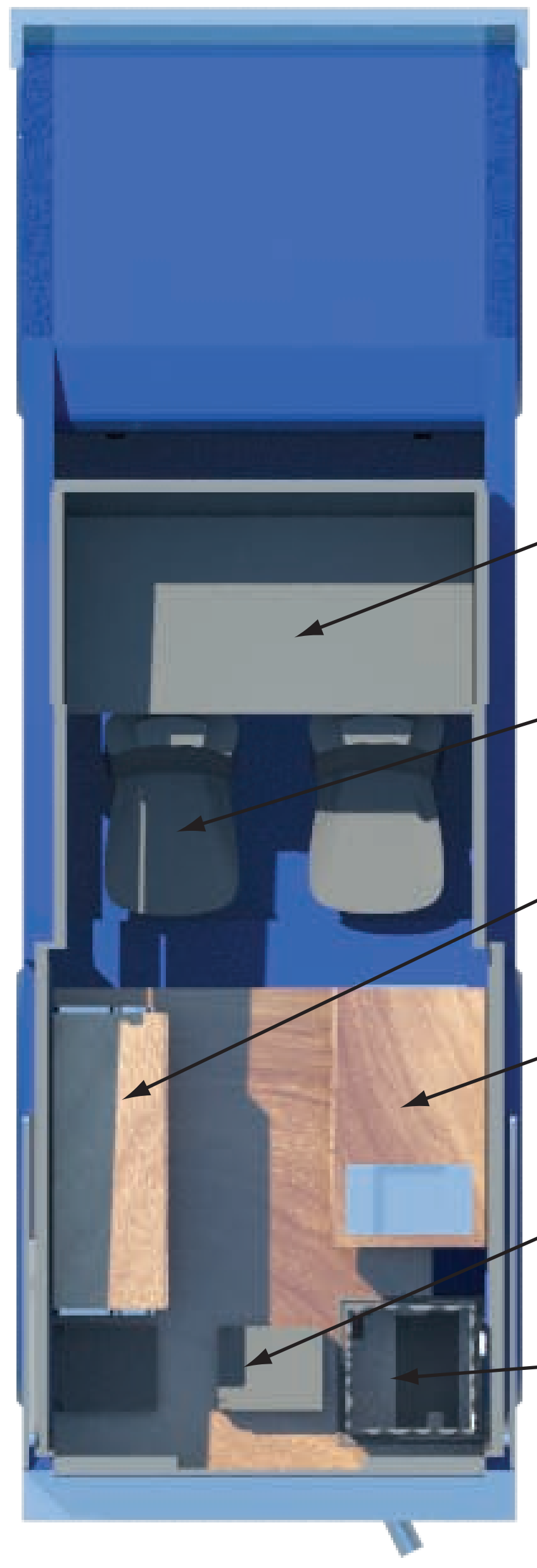
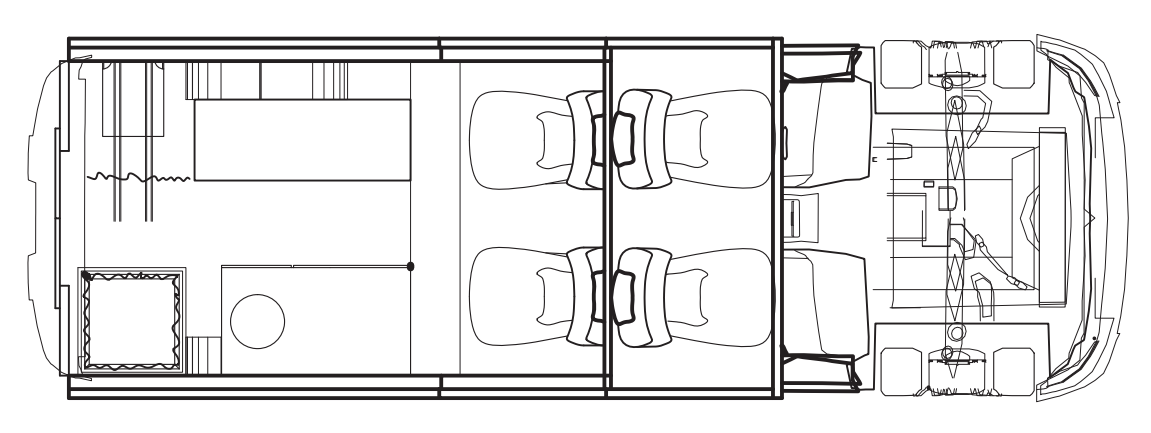
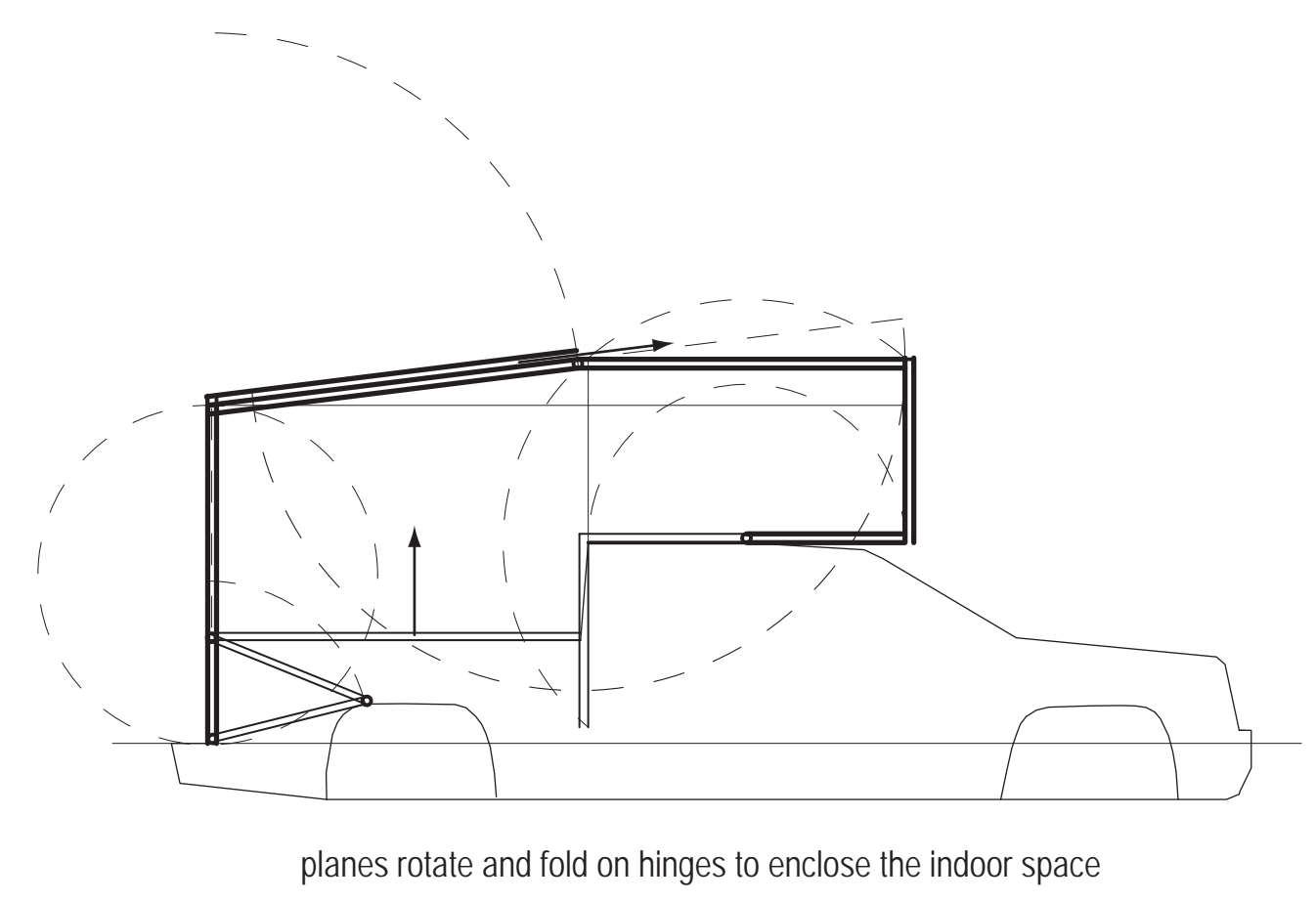
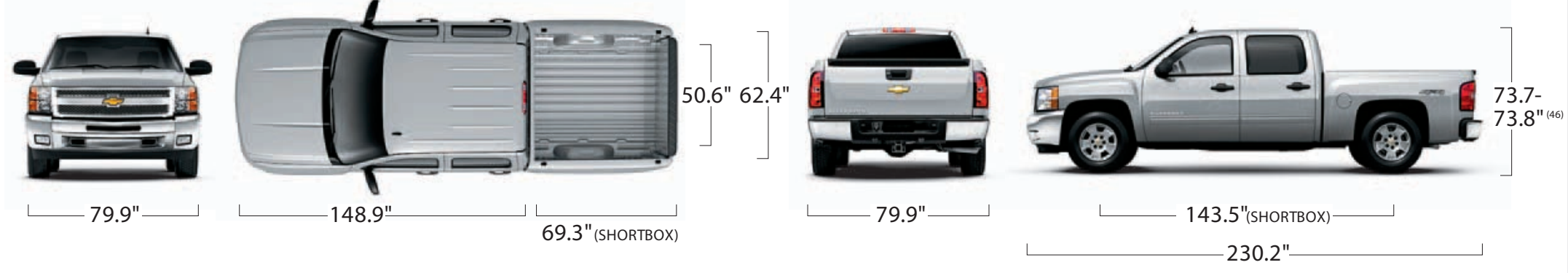
Since this is to be a mobile project, the site will mainly consist of wherever the house-car is driven. That said, the transformation process will be contained within the vertical volume of a parking space. This way there will be minimal traffic concern from any potential disruption the transformation process can have on the area around it.

Program	Net SF	Gross SF	Capacity
Kitchen	13		1-2 people
Sitting room	34		
Bathroom	15		
Sleeping area	61		
Storage	26		
Porch	16		
MEP/Utilities	4		

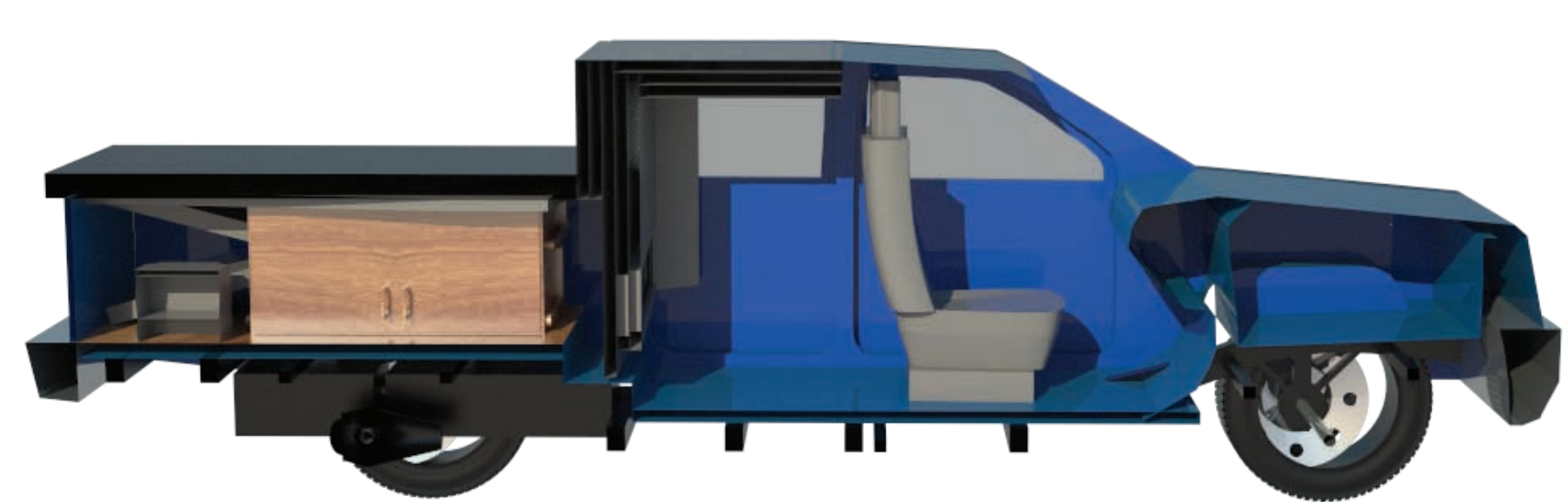
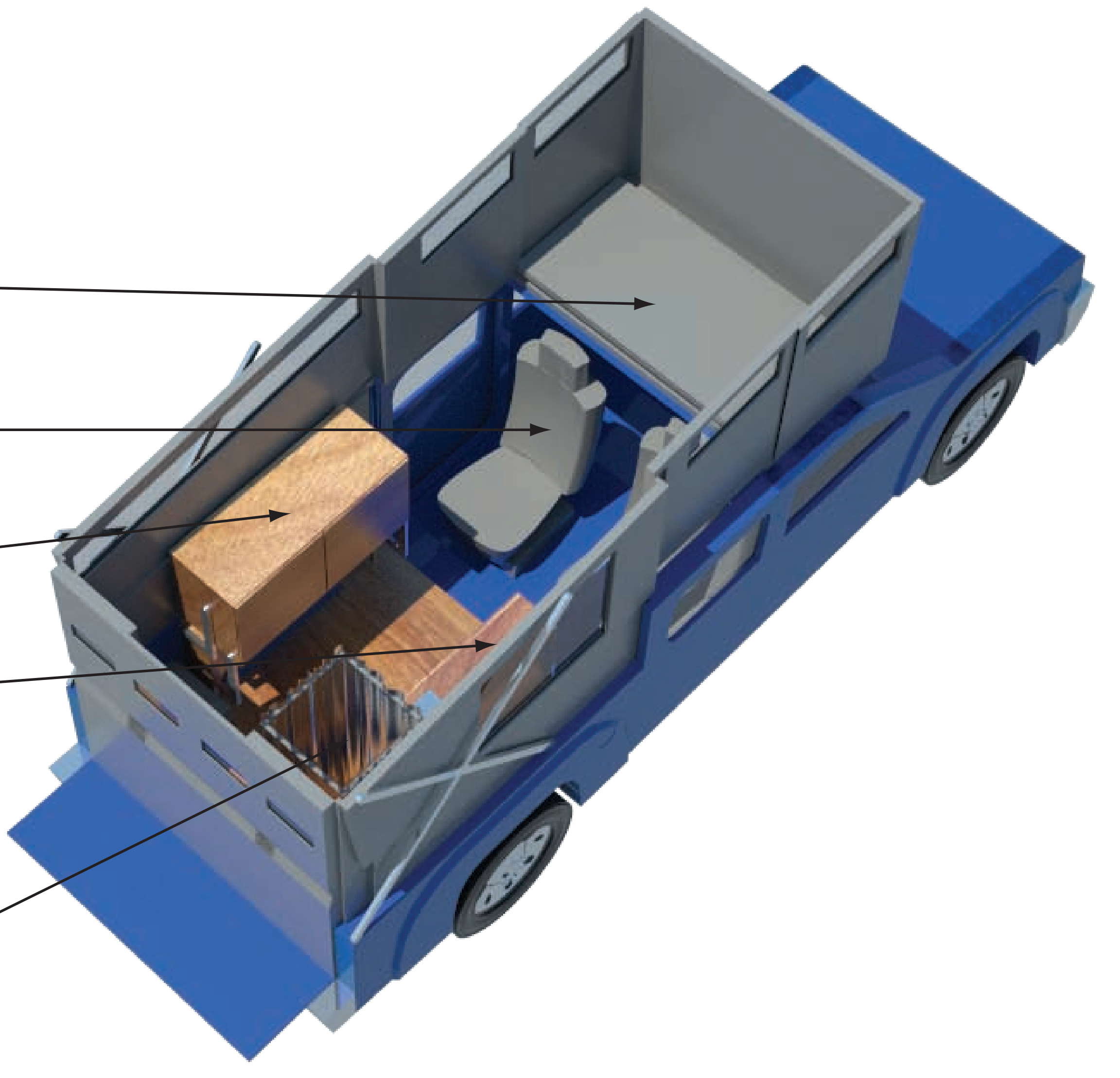


Program

Since the volume of the car will be deformed in the transformation process, it is difficult at this point to denote the actual scales and dimensions of the necessary areas of the spaces which will expand within the car. The scale of the spaces will be determined by the success of the transformation design, which hinges on a final decision of which base vehicle would be appropriate for this project. Perhaps several layouts can be explored. These average dimensions were derived from a volume study of the Tumbleweed Lusyby House.

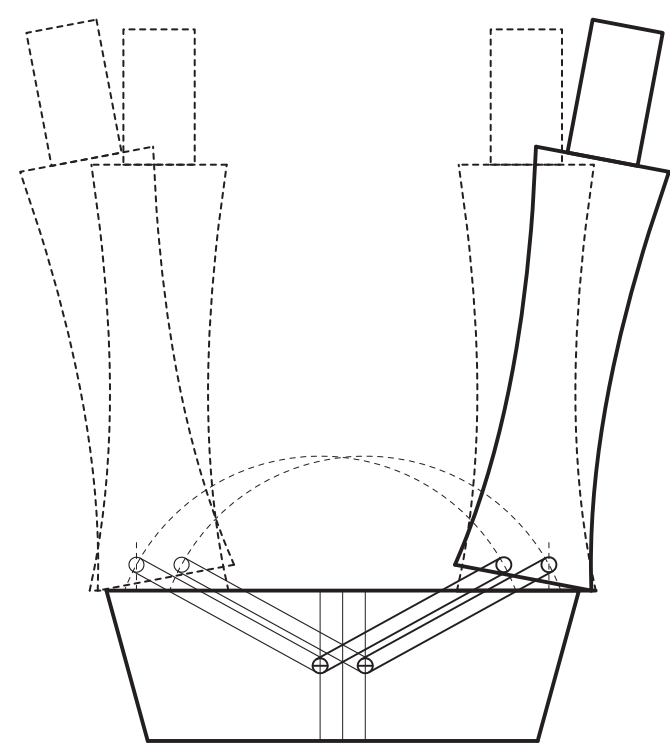


- Sleeping Space**
Space above cab folds out into a bed, and can fold away to allow for more head room in the seating area.
- Seating Area**
Driver and passenger chairs reverse into the back of the cab and flip to face backward into the living space.
- Cabinet**
Folds down for truck mode and opens up into a desk and storage when in house mode.
- Kitchen**
Compact into a small unit for transportation, the kitchen opens up in house mode featuring a sink, small refrigerator, small oven, and cooktop with storage and counter space.
- Portable Toilet**
Slides into the middle of the space for truck mode to avoid hinged back panels which fold down.
- Shower**
Opens up in house mode, and drains into waste water tank below.

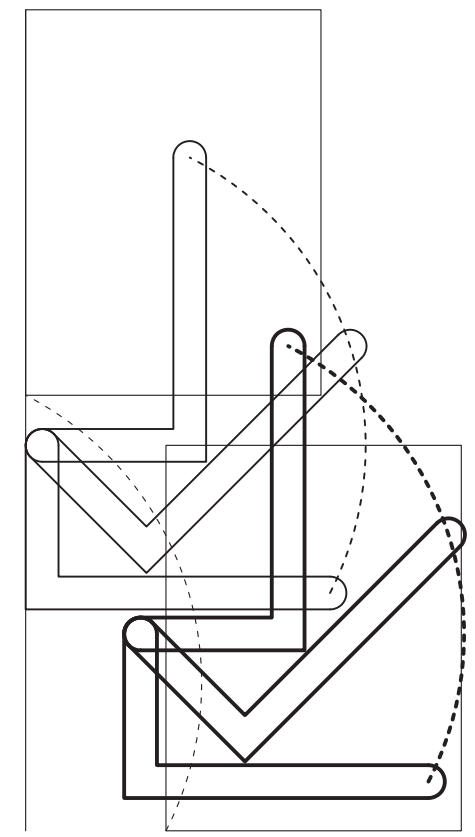


apartment truck personal mobile shelter travel room transit property

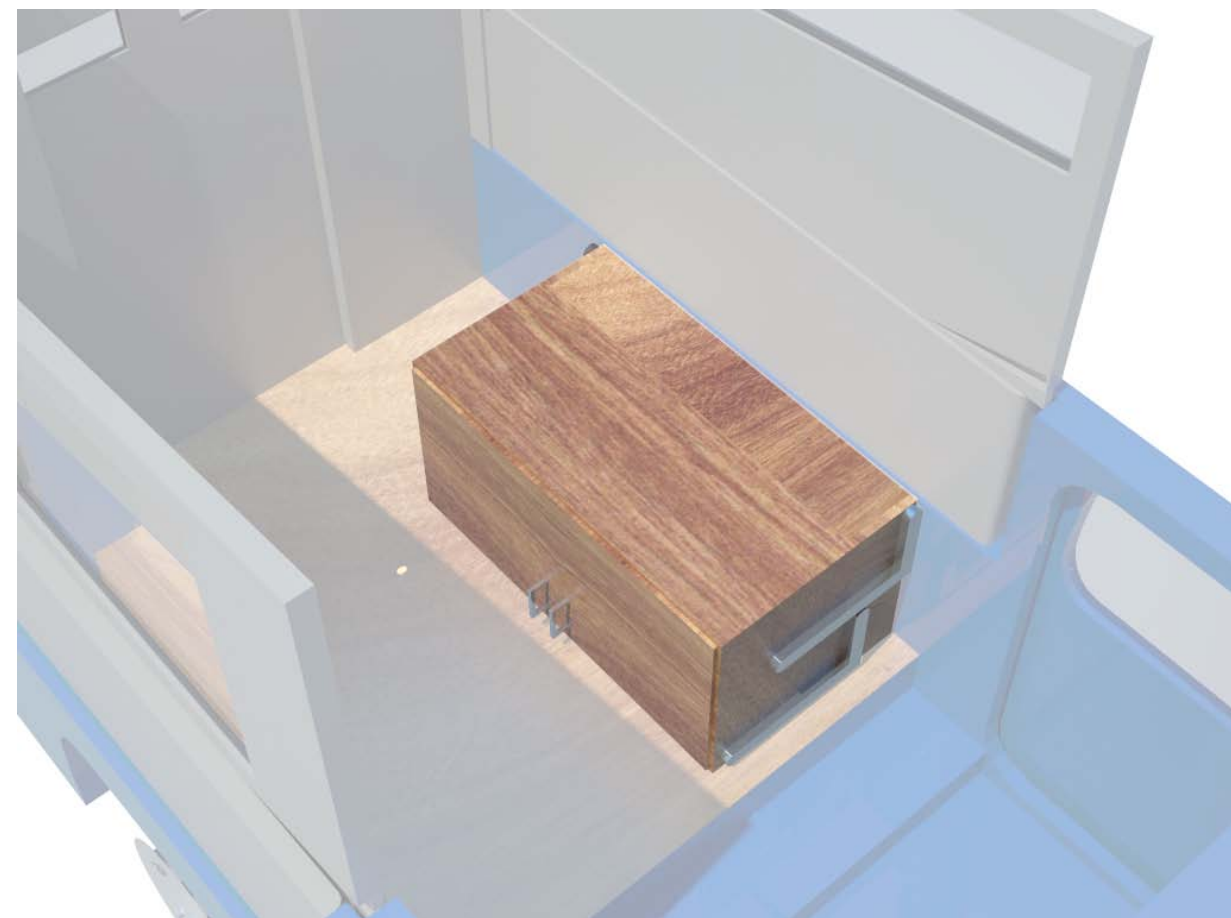
move home transportation ownership car housing commute space



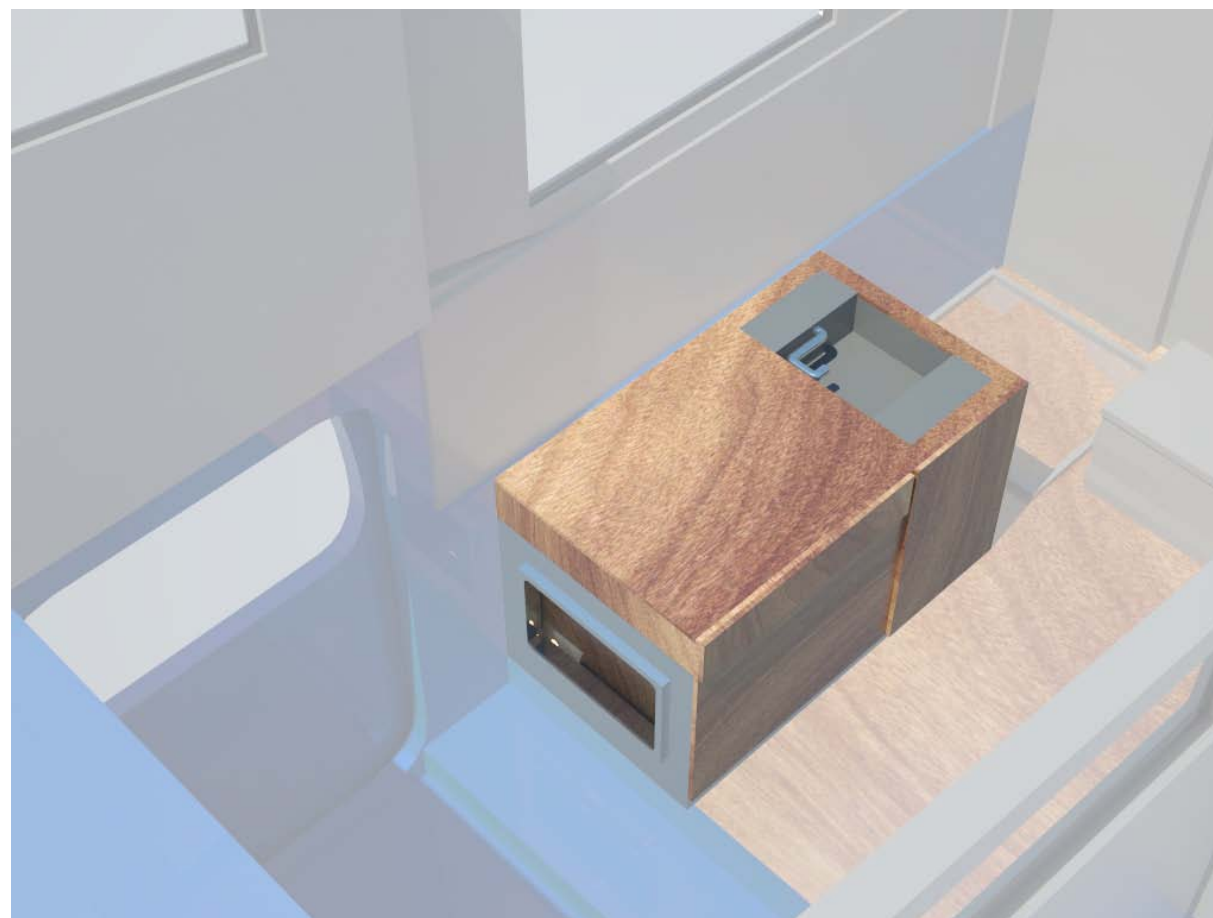
Chair backs turn over the seat to face the seat in the other direction.



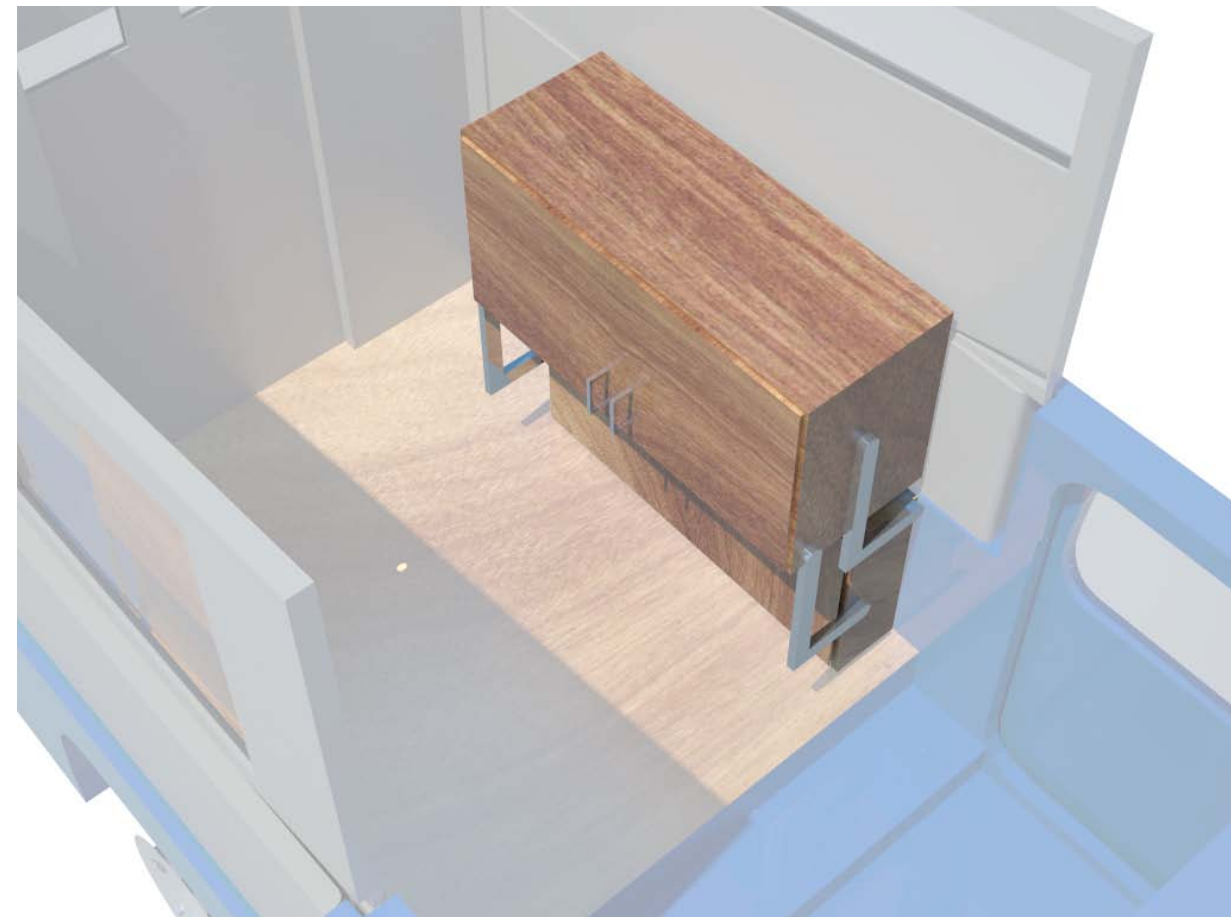
Cabinet revolves upward about hinges on support arms to move into position.



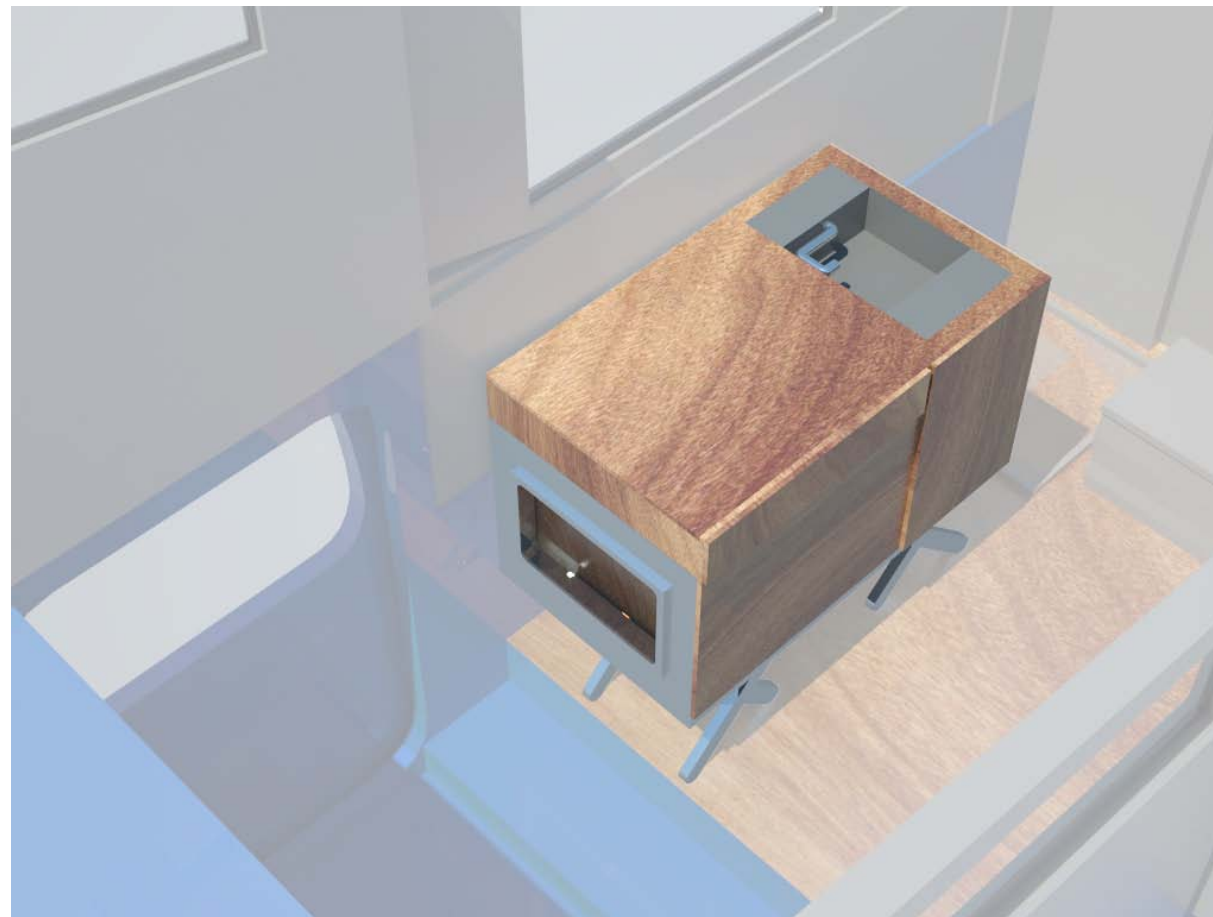
Cabinet folded down for transport



Kitchen lowered for transport



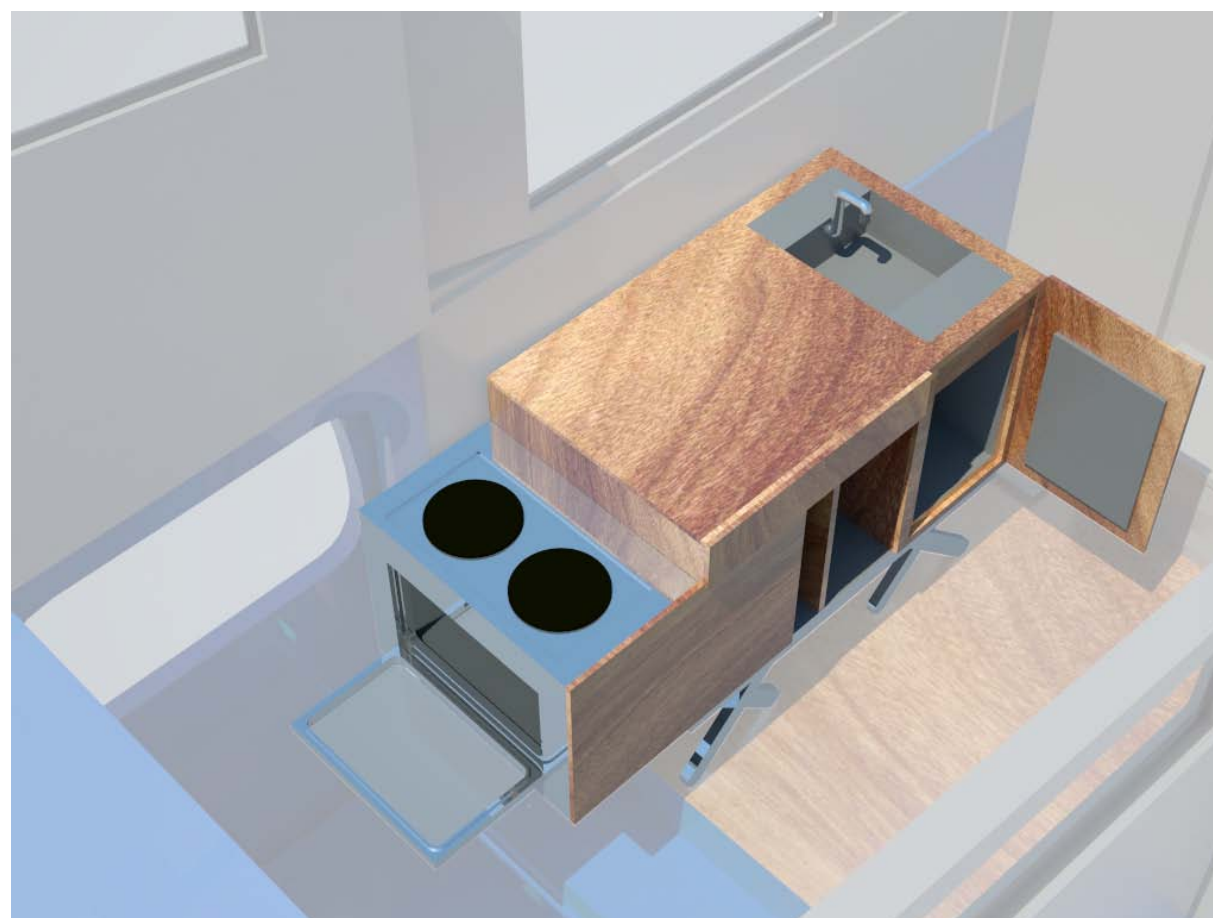
Cabinet up to clear circulation path



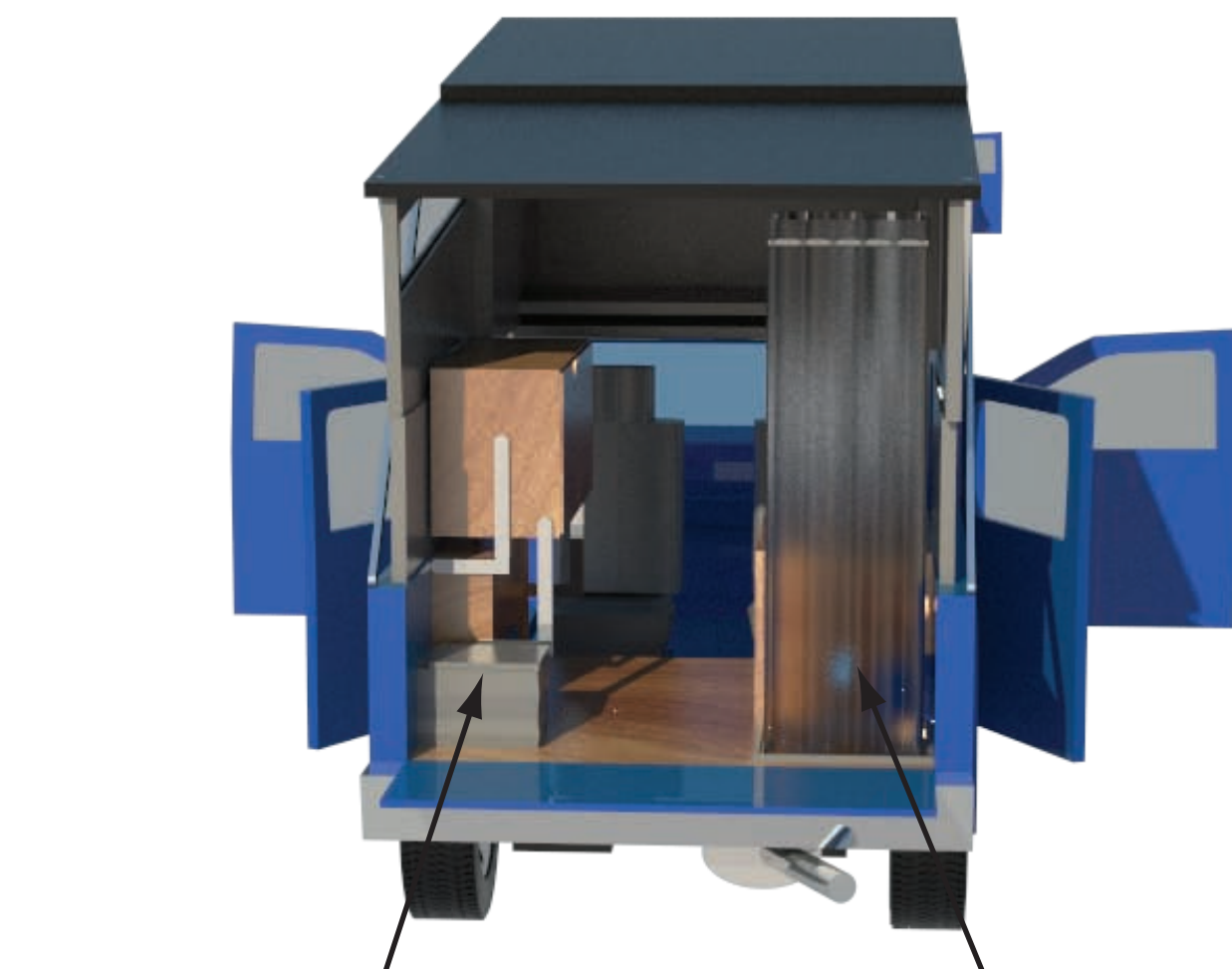
Kitchen raised to ergonomic height



Cabinet open to reveal desk inside

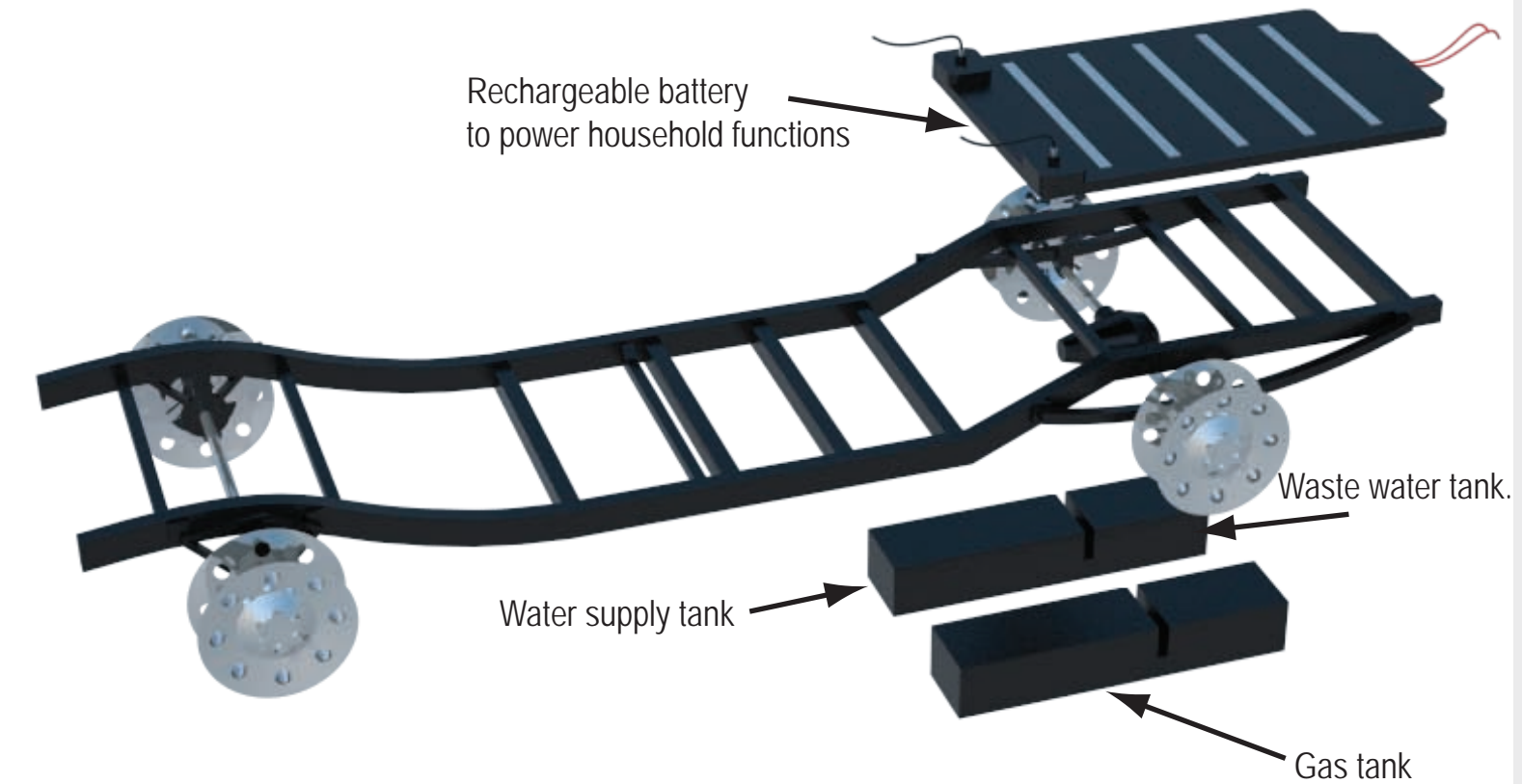


Kitchen opened for multiple usages



Collapsible shower and portable toilet contribute to small scale household functions and allow for safe removal of waste water.

Small living allows for smaller usages of water. The water tank holds 39 gallons of water for an approximate day's use. The battery powers household functions and is recharged when the truck drives.

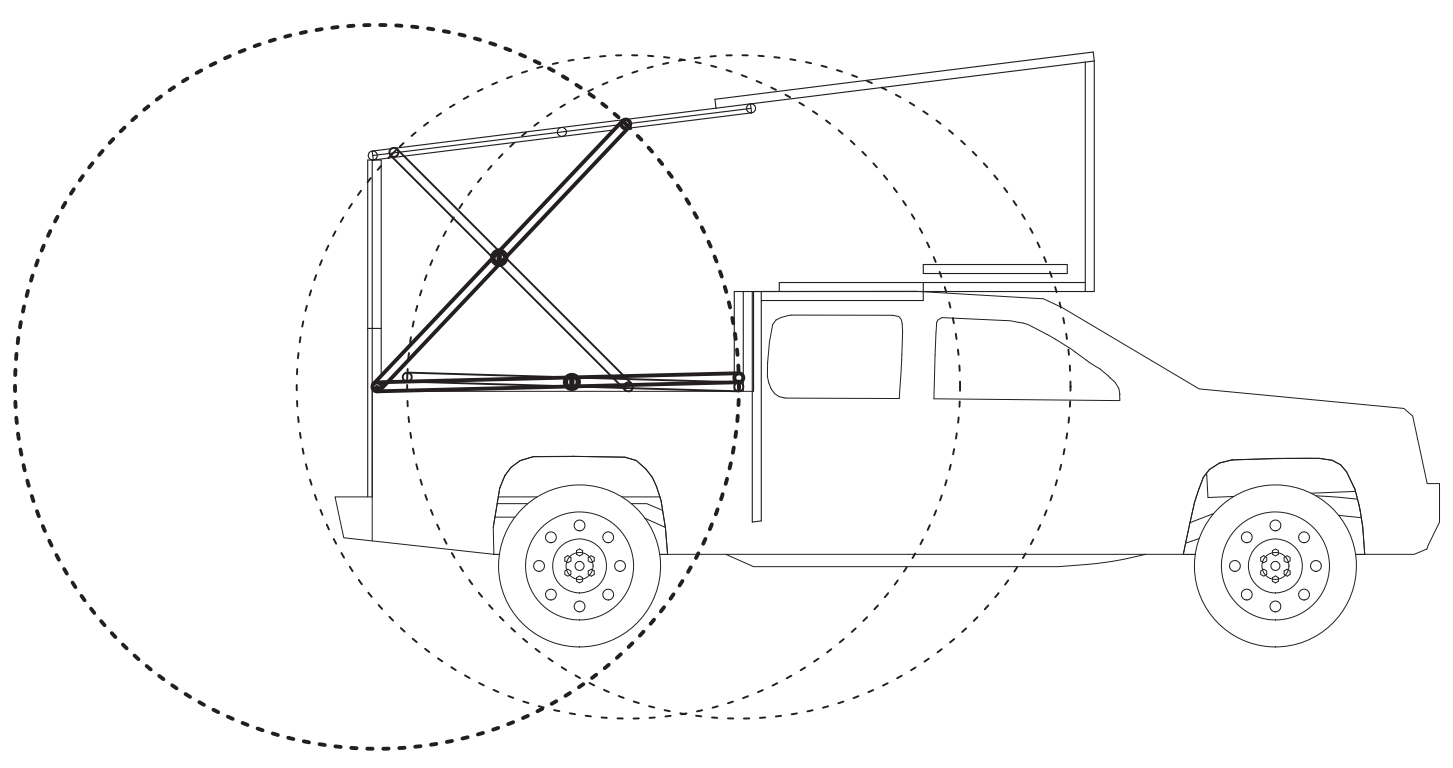


Rechargeable battery to power household functions

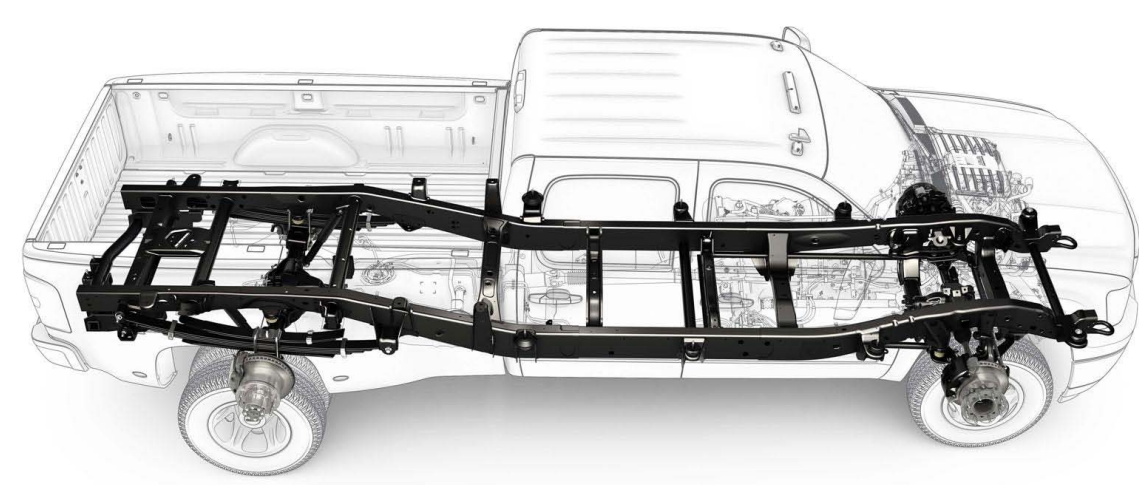
Water supply tank

Waste water tank

Gas tank



Cross structure designed to support the roof as it extends over the bed surface.



Physical Model in Truck Mode



Physical Model in House Mode

