

Submission Date	2015-02-13 16:11:48
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Which design problem does your submission solve?	A – Un-Secured Shelter
Description	<p>The concept pivots around the (sponsored?) recycling of the proverbial shopping cart as core component, structure and transport, piggybacked by a matching pair of saddlebags - storage on one side, shelter on the other. The “shelter” package is a foldout assembly of hinged panels that deploy to conform varying instances of shelter. The cart provides, in rolling mode, an organized storage unit that resolves daytime needs within a compactly organized container. In shelter mode, it gives a structured envelope that incorporates usage and storage within an insulated, weatherproofed and vandal protected shell.</p> <p>Composed of press-laminated GRF composite foam core panels of high impact/weight and R-value ratios, the foldout is articulated by PVC continuous “living” hinges and flush latch/bolts with zero clearance . The actual deployment process is conceived as a single motion sequence easily achieved by any able bodied user. The unit’s ergonomic dimensions (width, height and turning radius) are adaptable to operation in tight urban conditions.</p> <p>Equipped with just a simple power screwdriver, the assembly process requires at most two hours of unskilled (volunteered?) labor. The shopping cart requires minimal adaptation to receive s-clamps for attaching both the saddlebags and supporting platform.</p> <p>The high impact resistance of the component panels and the wheel locking device provided ensure both wear and tear durability and protection against vandalism and theft. The unit is equipped with a dual rolling Thermarest pad and built-in floor liner that coupled to the high R-value of the component panels themselves, provide adequate levels of thermal insulation.</p>
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Handbook Image Source
The image is a photograph of a person sitting on the ground next to a shopping cart. The image is a photograph of a person sitting on the ground next to a shopping cart.

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