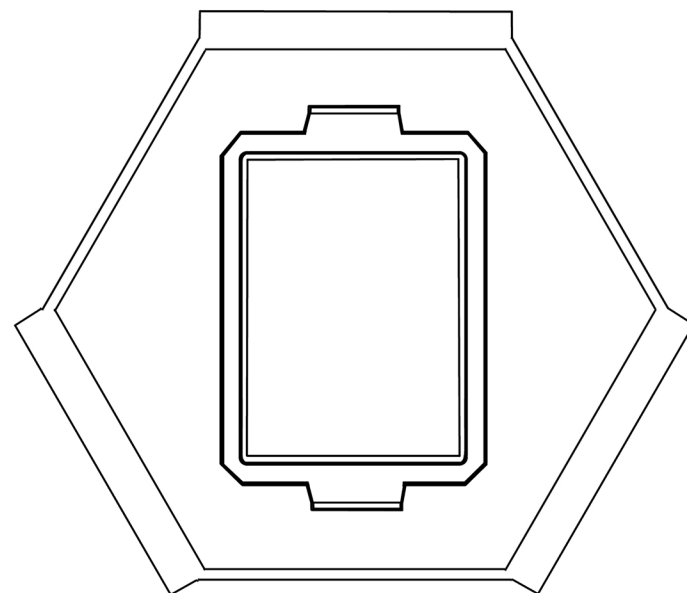


FINAL DESIGN

BAG HOUSING /bæg/ /'hauzɪŋ/

The housing unit for the storage bag serves as a guide for the bag to fit through, so that it would not crumble and fold once it starts to fill up with waste.

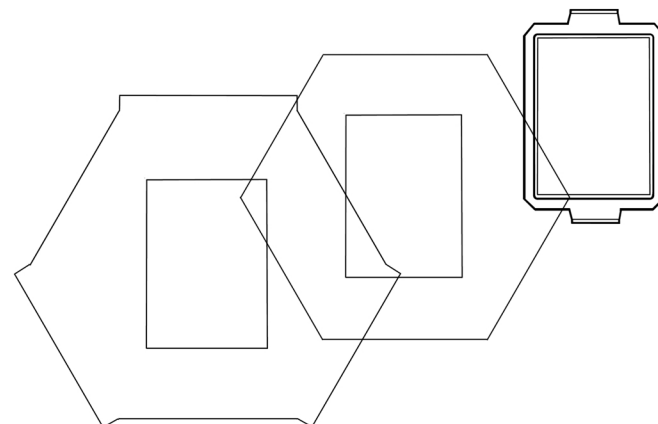
Besides keeping the bag in shape, it maintains the integrity of the bag by acting as a backing so that the storage bag will not tear with the increasing weight of the waste as they pile up.



dimensions

LENGTH (BOX)- 170MM
WIDTH (BOX) - 100MM

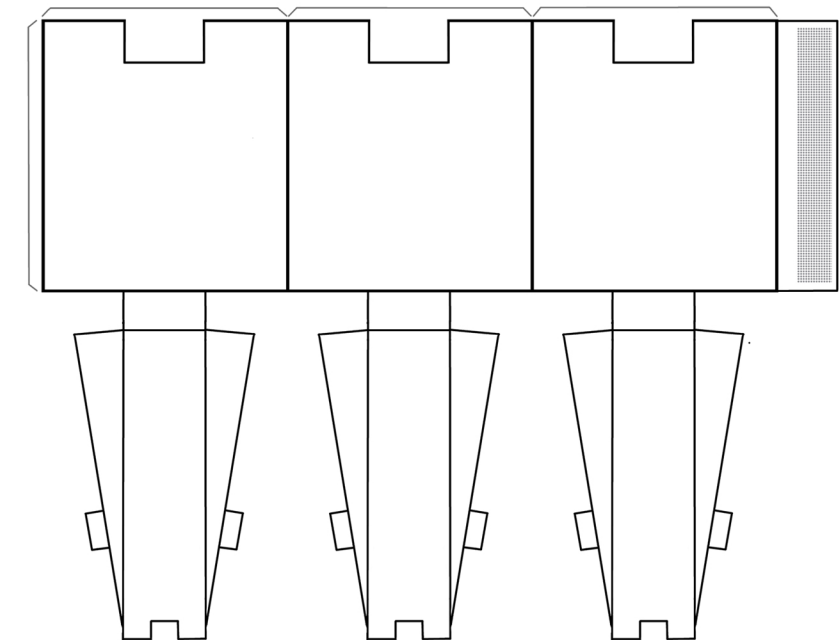
ESTIMATED COST :
US\$ 0.85



TOTAL COST OF DESIGN

CONDUIT - \$0.21
APERTURE - \$2.01
BAG HOUSING - \$0.85
STRUCTURE - \$0.44
MISC - \$0.25

TOTAL - US\$ 3.76
SGD \$4.94



STRUCTURE /'strʌktʃə/

The cardboard structure is reinforced with three side supports at its three sides. Weight is distributed equally among its triangular frame, making it rigid and sturdy for its user to sit on with confidence.

The structure also contains enough space to house the needed mechanisms, as well as a large storage space for its user. A sufficiently large storage space would ensure that its user would not constantly be required to change the storage bag, but only whenever it is full.

dimensions

HEIGHT (STRUCTURE)- 431.8MM
WIDTH (STRUCTURE)- 457.2MM
SUPPORT THICKNESS- 101.6MM
SUPPORT WIDTH- 152.4MM

ESTIMATED COST : US\$ 0.44

