Figure 40: Mountain and aerial transport system (Louw, 2005)
FRONT ELEVATION
SCALE 1:30
BACK ELEVATION
SCALE 1:30
LEFT ELEVATION

SCALE 1:30
RIGHT ELEVATION
SCALE 1:30
STANDING UNIT A (10 + 1 commuters)
NO SCALE
15mm unfinished GRP storage compartment with S2 glass fibres and polyester resin transfer moulded with PMMA acrylic window to funnel body with sealed profile faster.

5-7mm unfinished moulded Airform with organic adhesives composite component housing as control panel with housing electric components.

Control panel - emergency button - alarm button - sound and volume controls - information technology - telephone charge connectors - apple iPod stand connection.

LED route indication lights including destination to e-station.

Removable waste component from recycled material and resin composite.

15mm unfinished glass reinforced plastic (grp) slide with S2 glass fibres and polyester, resin transfer moulded. S2 glass fibre sheet reinforcement cut to shape and thermosetting resin to be injected under low pressure and mold allowed to cure at room temperature.

5mm PMMA acrylic sheeted window with u-v inhibitors, attached to GRP with waterproof urethane.

PLAN - STANDING UNIT A (10 + 1 commuters)

SCALE 1:30
20mm unfinished glass reinforced plastic (grp) skin with s2 glass fibres and polyester. resin transfer molding s2 glass fibre sheet reinforcement cut to shape and thermosetting resins to be injected under low pressure and mold allowed to cure at room temperature. grp skin layered and cured so that outer 3mm of the 20mm grp skin to be clear resin without glass fibres.

SECTION INDICATOR

SLIDING FUNITEL DOOR
6mm PLEXIGLAS acrylic sheet with uv-inhibitors, attached to grp sheet with waterproof jointing. Drip seal (not shown). Vertical engineered door guiding system with top rollers and bottom runners. Door to be opened manually or automatically.

CONTROL BOX WITH WASTE BIN
5-15mm unfinished molded acrylic with organic catalyst or composite component fastening to control panel housing electric components. LED route indicator lights indicating distances traveled to end destination.

20mm unfinished glass reinforced plastic (grp) skin with s2 glass fibres and polyester. resin transfer molding s2 glass fibre sheet reinforcement cut to shape and thermosetting resins to be injected under low pressure and mold allowed to cure at room temperature. grp skin layered and cured so that outer 3mm of the 20mm grp skin to be clear resin without glass fibres.

SECTION - STANDING UNIT A (10 + 1 commuters)
SCALE 1:30
LEGEND -
SEATER UNIT

4/5 SEATER UNIT B
NO SCALE
SECTION A: DOOR CLOSED

SCALE 1:30
SECTION A : DOOR OPEN

SCALE 1:30
vehicle glazing: 3mm PMMA acrylic sheet, proof glazing with uv inhibitors, attached to GRP trims and applied with waterproof urethane masticing the connection watertight as specified by HPS specialists.

door glazing: 3mm PMMA acrylic sheet, proof glazing with uv inhibitors, attached to GRP trims and applied with waterproof urethane masticing the connection watertight as specified by HPS specialists.

5mm PMMA acrylic sheet, proof glazing with uv inhibitors, attached to GRP trims and applied with waterproof urethane masticing the connection watertight as specified by HPS specialists.

SLIDING FUNITEL DOOR
Double-skinned, telescopic, GRP cladding, sliding door, with top rollers and bottom runners, door to be opened manually or automatically.

ABS/PC alloy door handle fixed to GRP molded door on either side of door.

"PIC-NIC" UNIT WITH FLAP TOP
Stowaway mechanism with three profiles and norther profile.

20mm unpolished glass reinforced plastic (GRP) skin with 32 glass fibers and polyester resin, transfer molded. 32 glass fiber sheet blueing cut to shape and thermosetting resin to be injected under pressure and mold allowed to cure at room temperature. GRP skin laid and covered with outer 3mm of the 20mm GRP skin to be clear non-scratch without glass fibers.

SECTION B
SCALE 1:30
CONTROL BOX with electronics and waste bin

SCALE 1:30
MULTI-PURPOSE RACK
SCALE 1:20

CANOPY WINDOW AND HYDRAULICS
SCALE 1:30
"PIC-NIC" COMPONENT WITH FLAP TOP
SCALE 1:30
SLIDING FUNITEL DOOR

SCALE 1:30
SKI AND SNOWBOARD HOLDER
SCALE 1:20
VEHICLE PERSPECTIVE