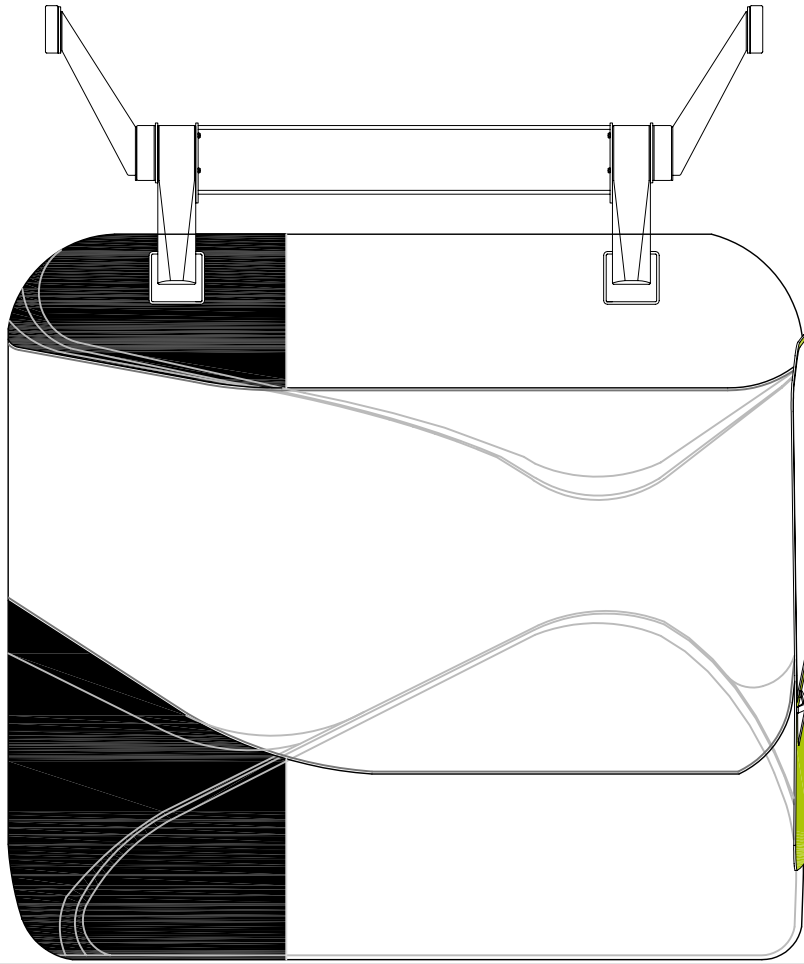


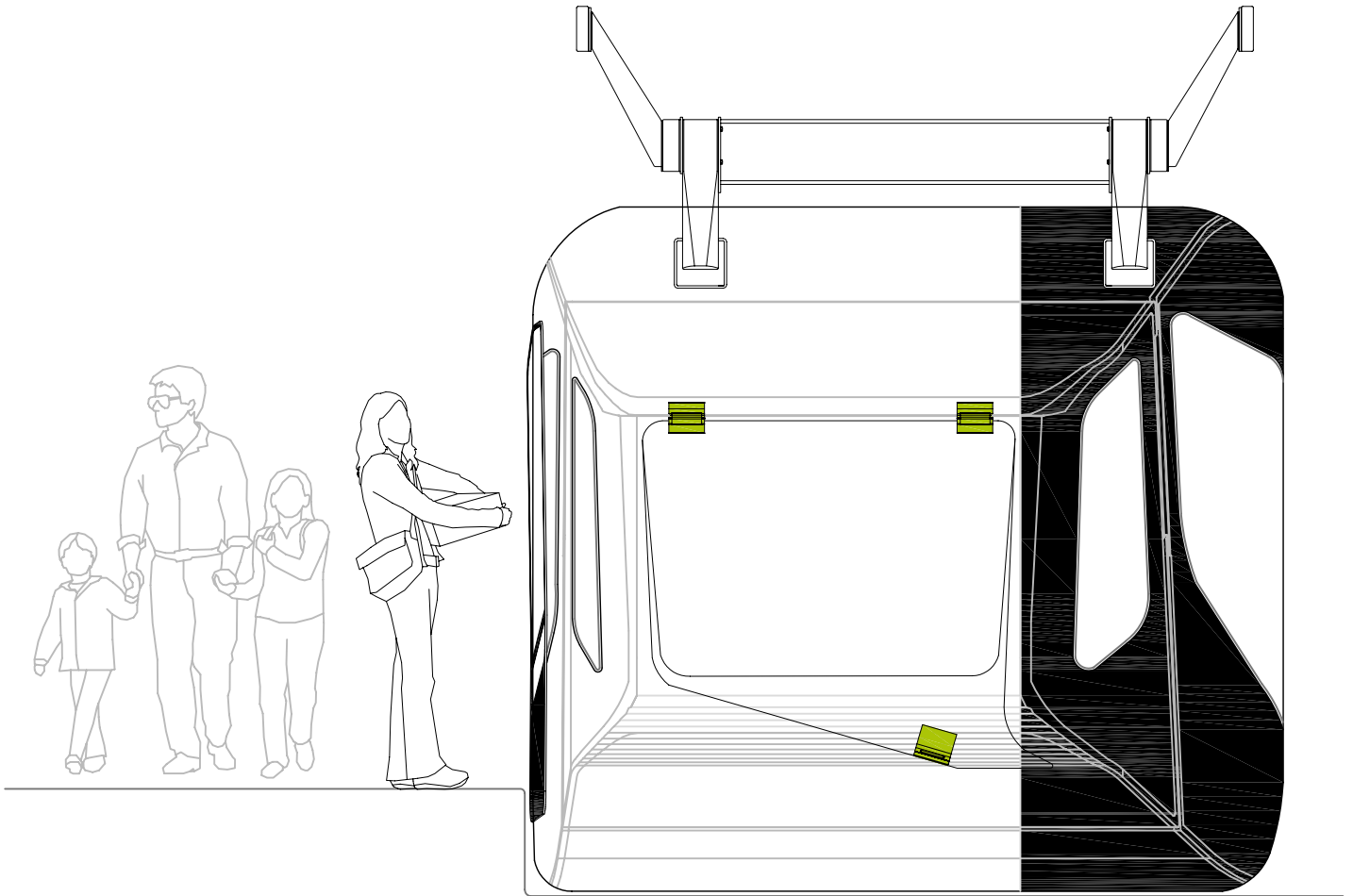


Figure 49: Mountains and an aerial transport system (Louw:2005)





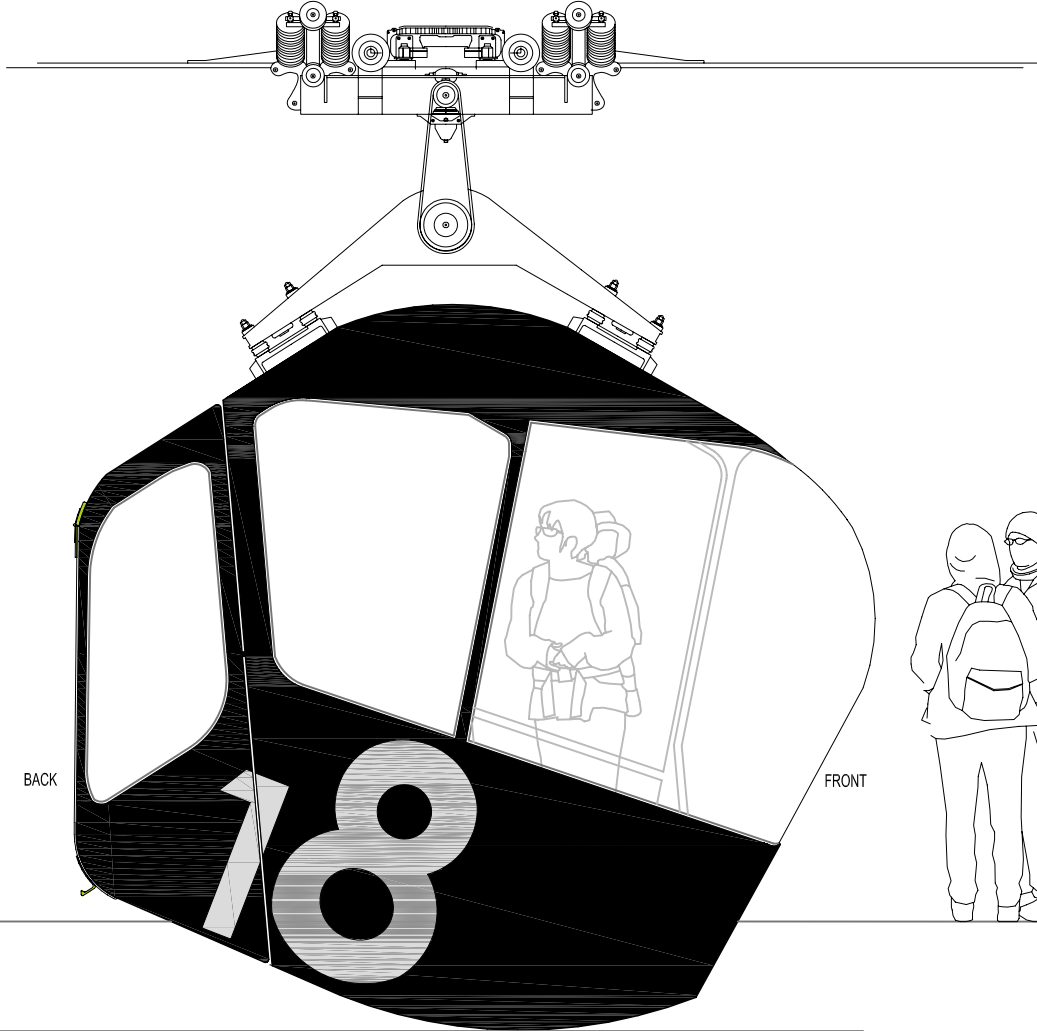
FRONT ELEVATION  
SCALE 1:30



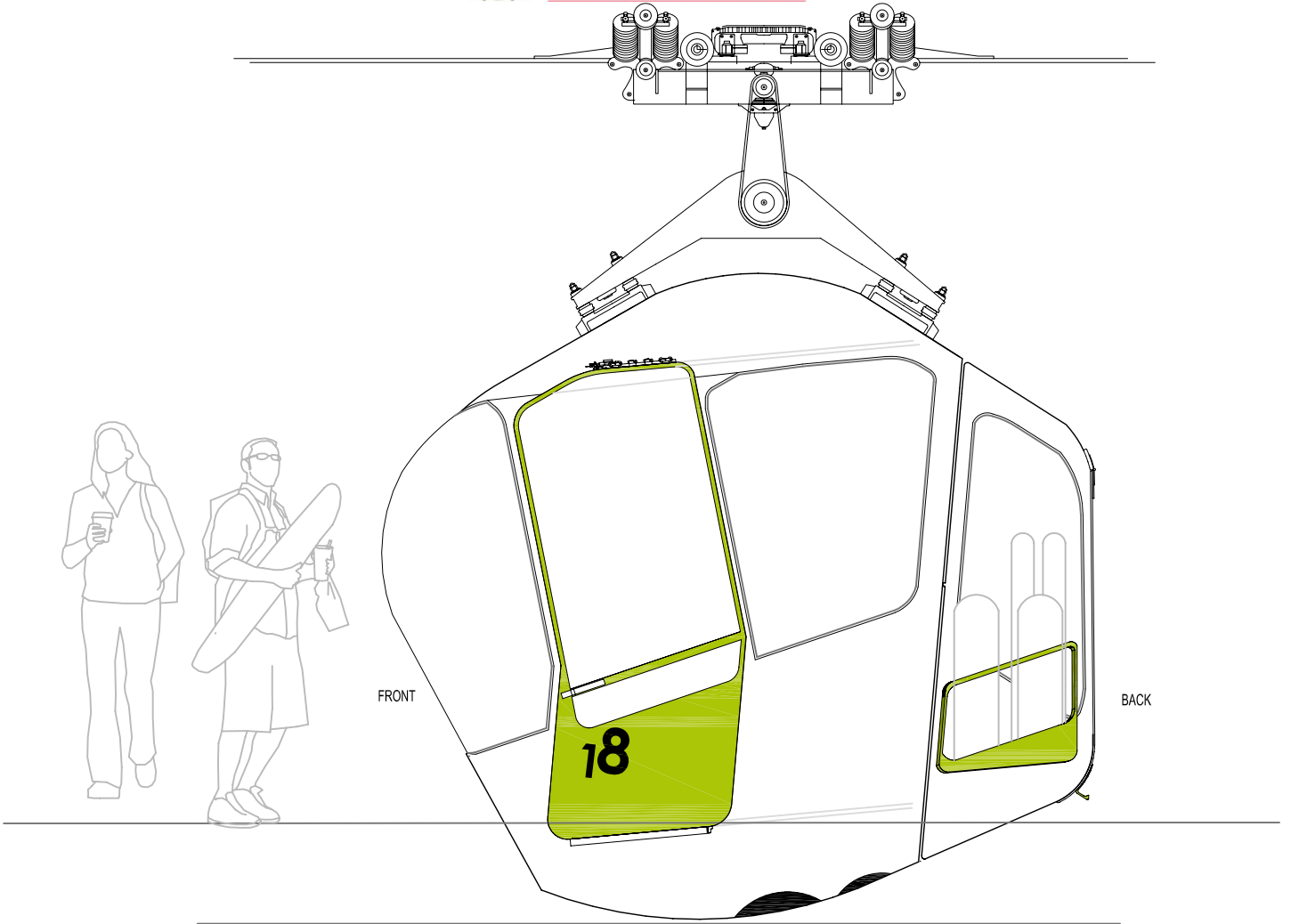
BACK ELEVATION  
SCALE 1:30



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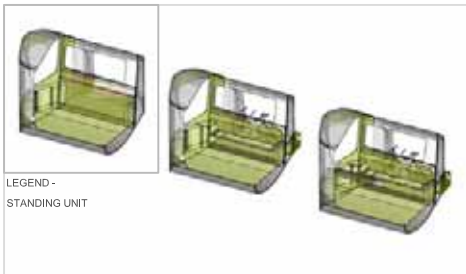
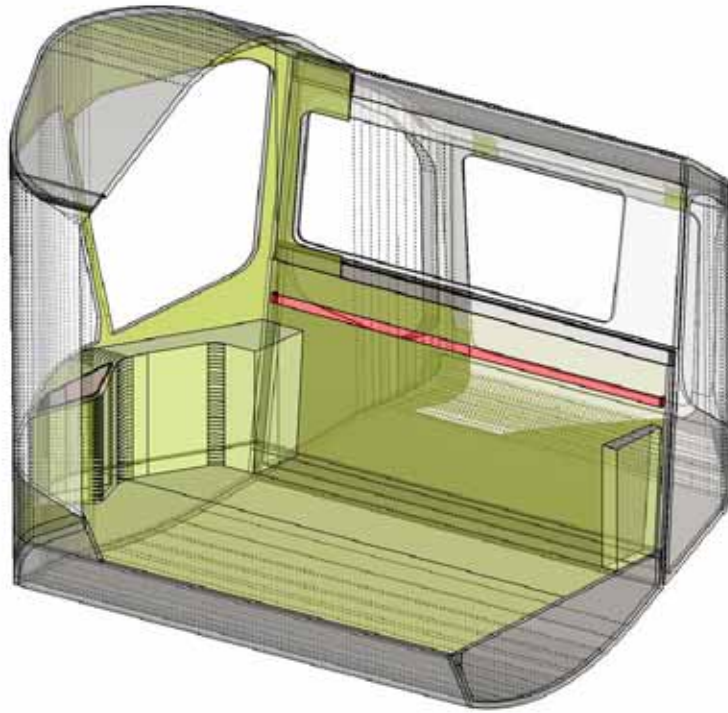


LEFT ELEVATION  
SCALE 1:30

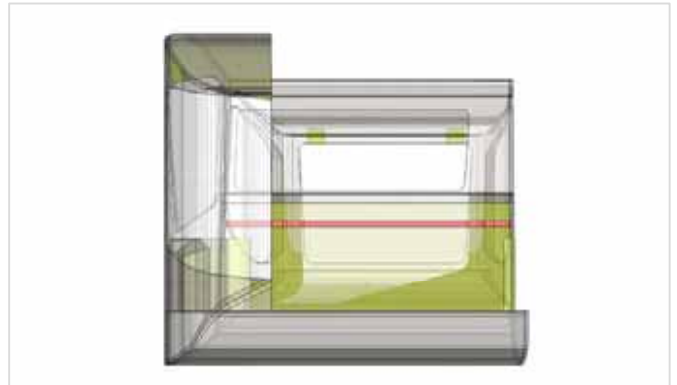


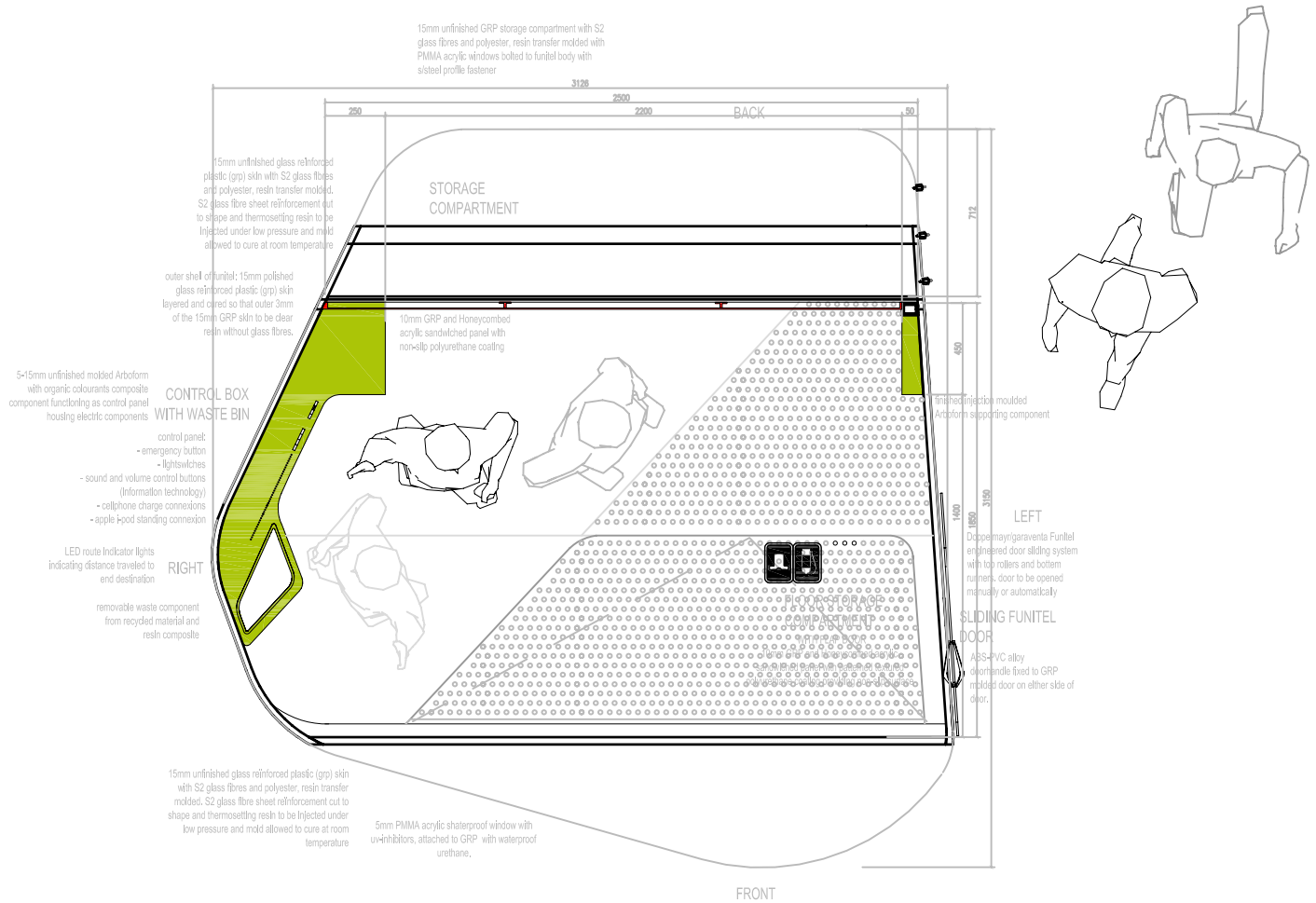
RIGHT ELEVATION

SCALE 1:30



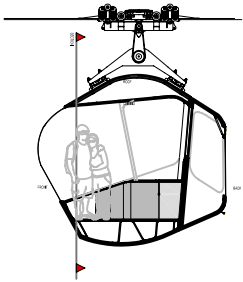
STANDING UNIT A (10 + 1 commuters)  
NO SCALE





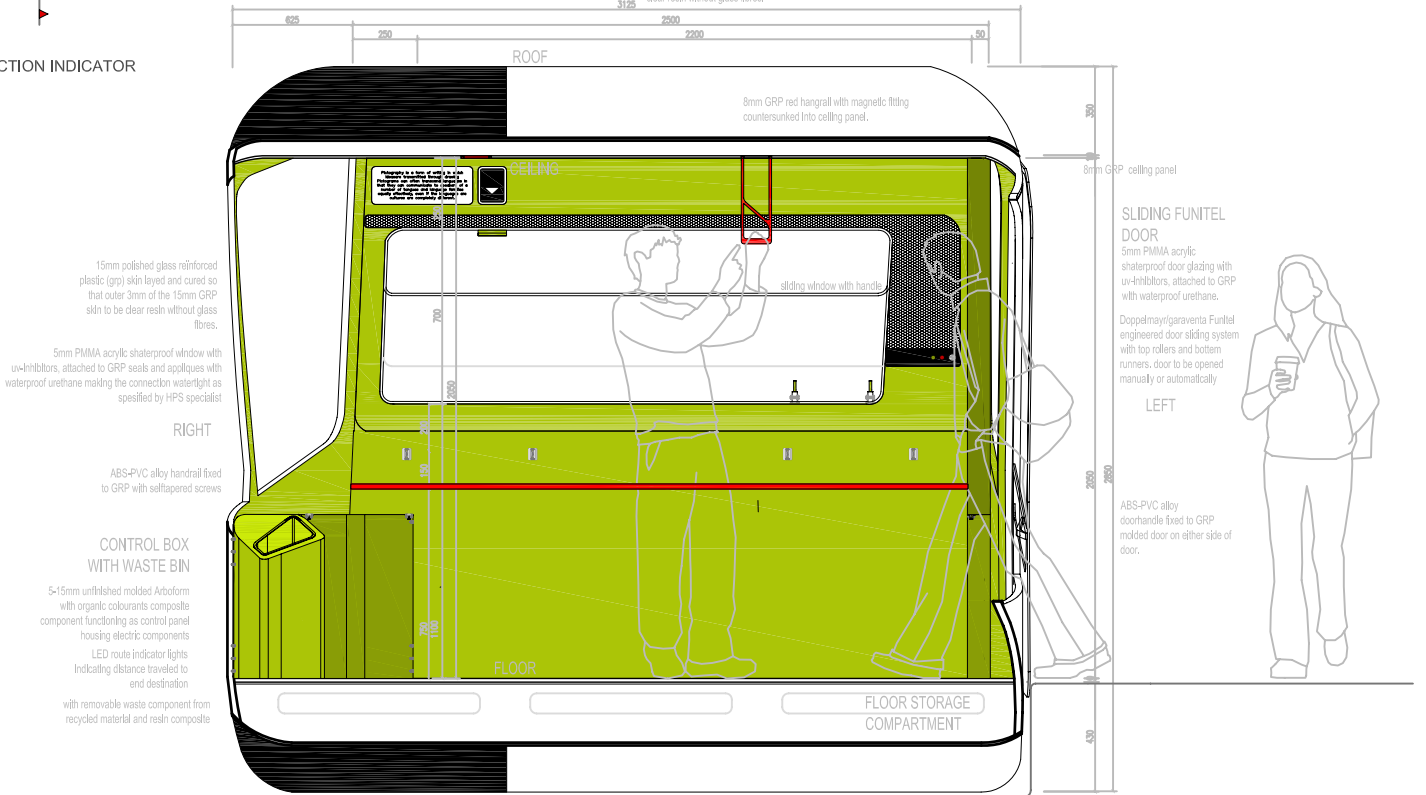
PLAN - STANDING UNIT A (10 + 1 commuters)  
SCALE 1:30





SECTION INDICATOR

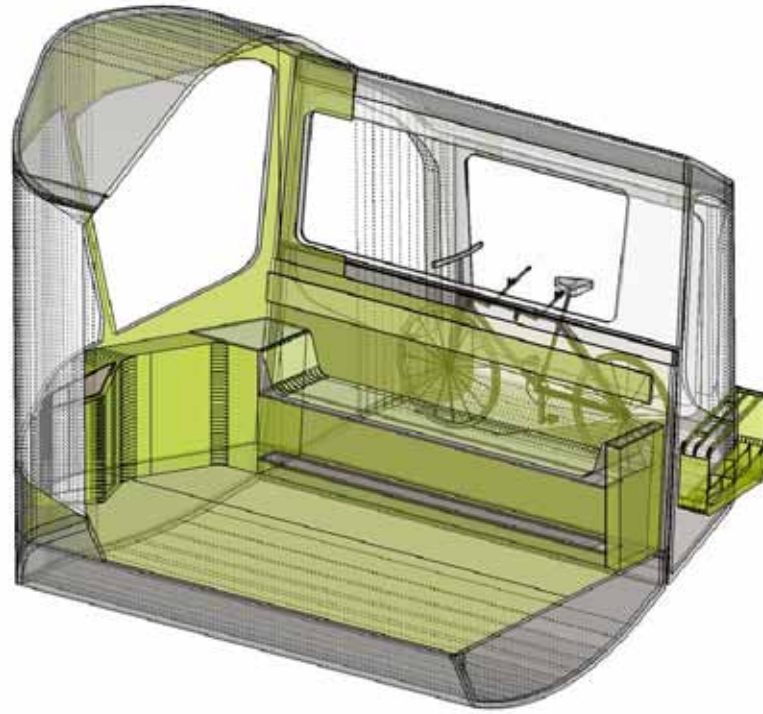
20mm unfinished glass reinforced plastic (grp) skin with S2 glass fibres and polyester, resin transfer moulded. S2 glass fibre sheet reinforcement cut to shape and thermosetting resin to be injected under low pressure and mold allowed to cure at room temperature. GRP skin layed and cured so that outer 3mm of the 20mm GRP skin to be clear resin without glass fibres.



20mm unfinished glass reinforced plastic (grp) skin 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. GRP skin layed and cured so that outer 3mm of the 20mm GRP skin to be clear resin without glass fibres.

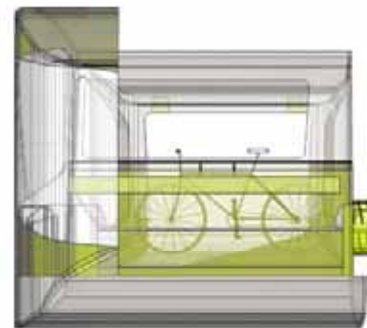
SECTION - STANDING UNIT A (10 + 1 commuters)

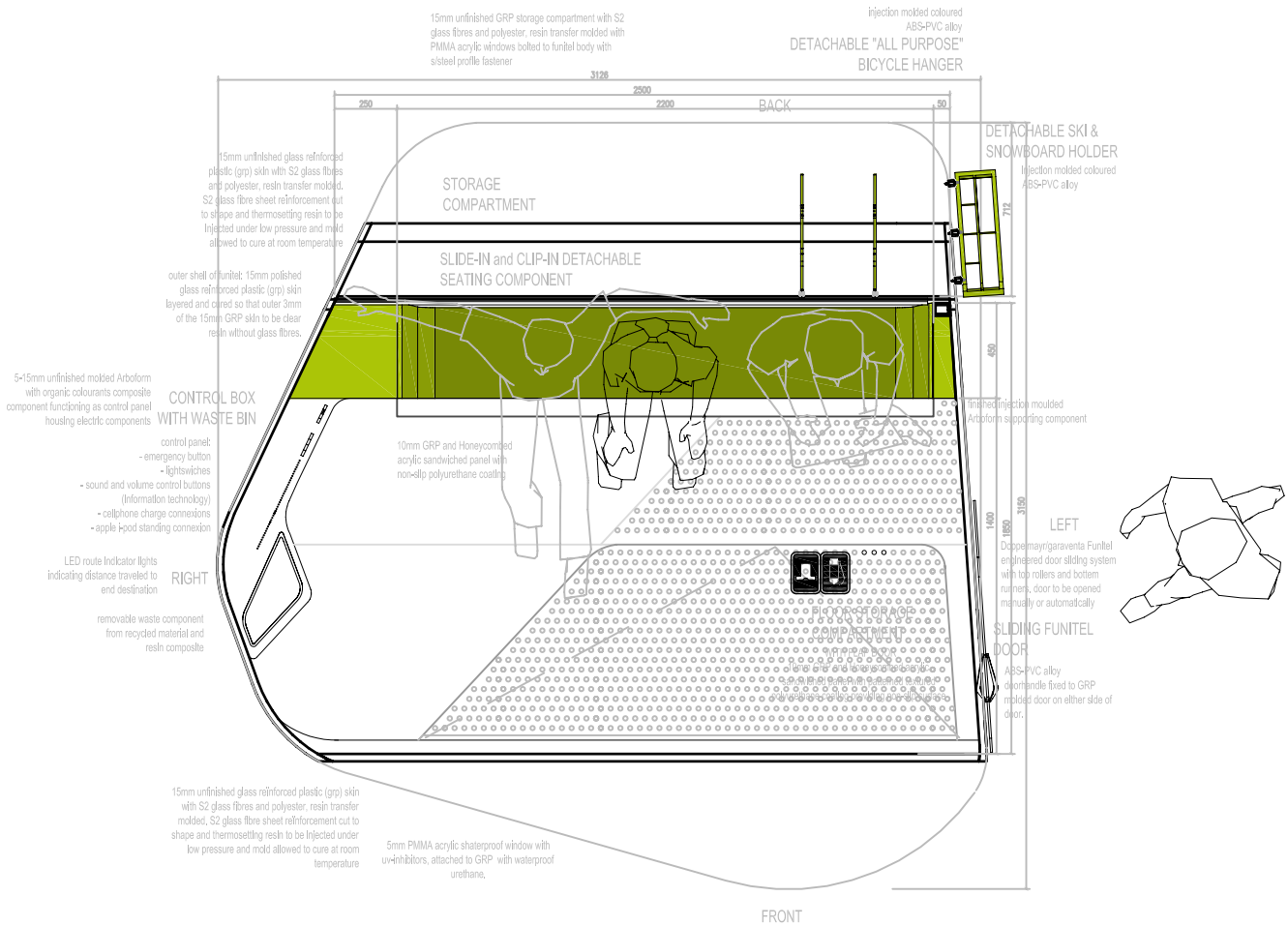
SCALE 1:30



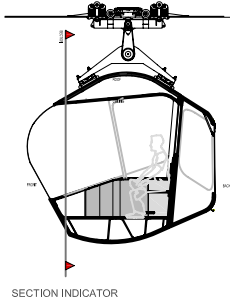
LEGEND -  
SEATER UNIT

4/5 SEATER UNIT B  
NO SCALE

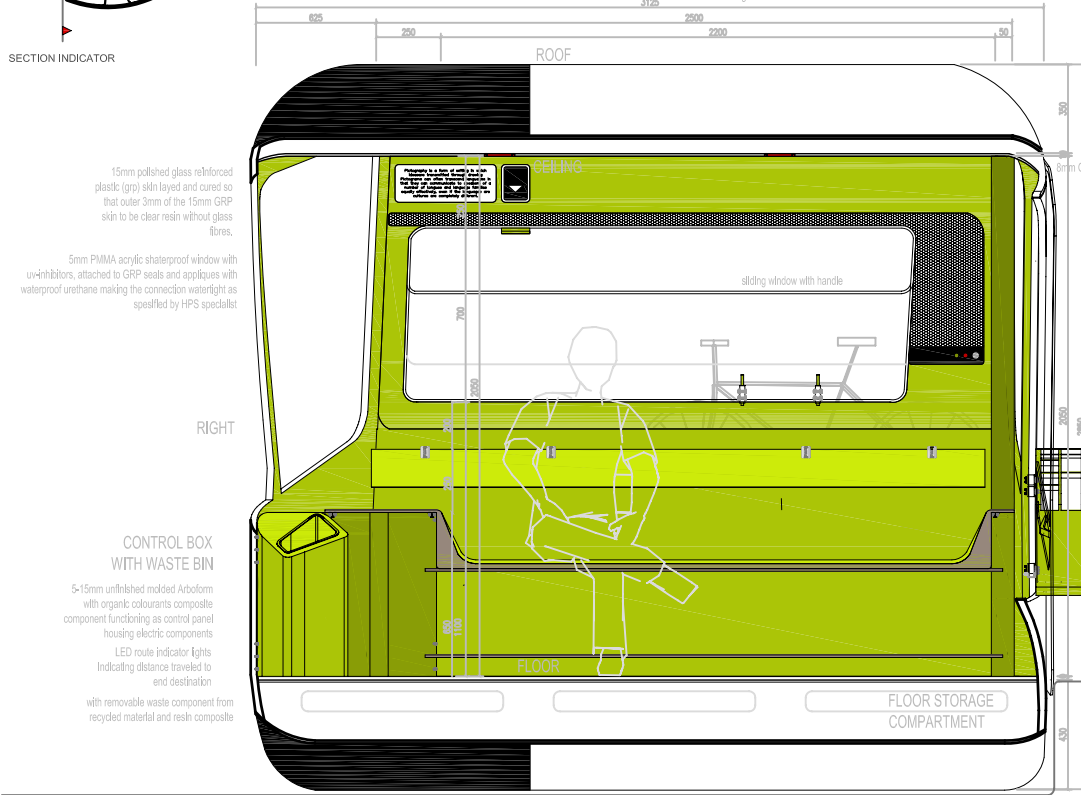




PLAN - 4/5 SEATER UNIT B  
SCALE 1:30



20mm unfinished glass reinforced plastic (grp) skin with S2 glass fibres and polyester, resin transfer molded. 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. GRP skin layed and cured so that outer 3mm of the 20mm GRP skin to be clear resin without glass fibres.



15mm polished glass reinforced plastic (grp) skin layed and cured so that outer 3mm of the 15mm GRP skin to be clear resin without glass fibres.

5mm PMMA acrylic shatterproof window with uv-inhibitors, attached to GRP seats and appliques with waterproof urethane making the connection watertight as specified by HPS specialist

CONTROL BOX WITH WASTE BIN

5-15mm unfinished molded Arbolform with organic colourants composite component functioning as control panel housing electric components  
LED route indicator lights  
Indicating distance traveled to end destination  
with removable waste component from recycled material and resin composite

8mm GRP red hangrail with magnetic fitting countersunk into ceiling panel.

injection molded coloured ABS-PVC alloy  
DETACHABLE "ALL PURPOSE" BICYCLE HANGER

8mm GRP ceiling panel

SLIDING FUNITEL DOOR

5mm PMMA acrylic shatterproof door glazing with uv-inhibitors, attached to GRP with waterproof urethane.

Doppelmayr/garaventa Funitel engineered door sliding system with top rollers and bottom runners, door to be opened manually or automatically

LEFT

SLIDE-IN DETACHABLE SEATING COMPONENT

15mm finished molded Arbolform tough lightweight and lignin resin composite with organic colourants and "Isoskin" cushioning

DETACHABLE SKI & SNOWBOARD HOLDER

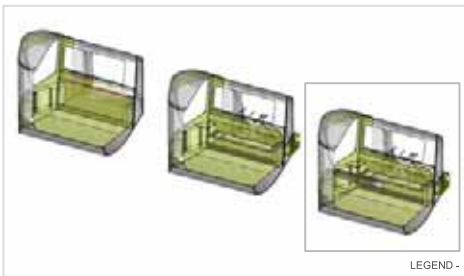
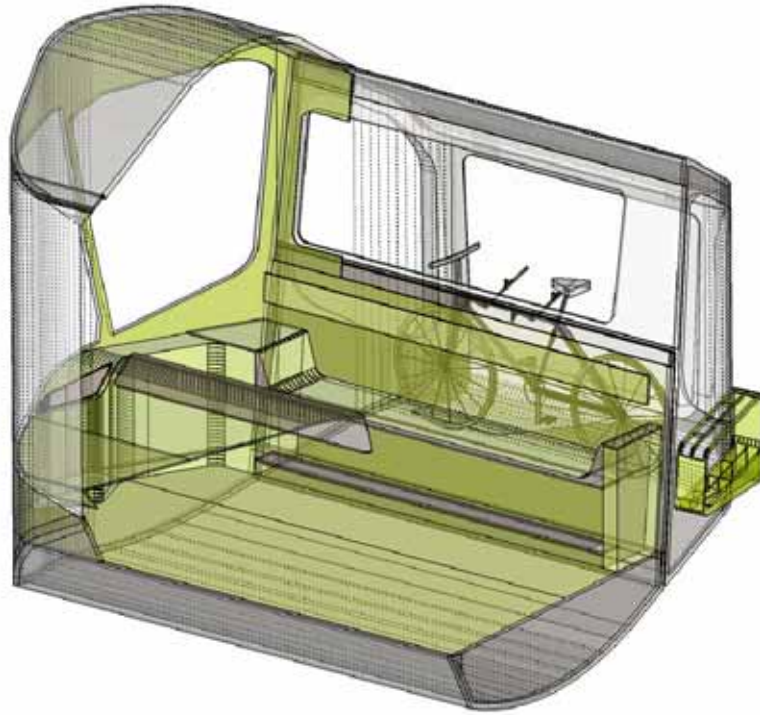
Injection molded coloured ABS-PVC alloy  
RGB 171-197-7



20mm unfinished glass reinforced plastic (grp) skin with S2 glass fibres and polyester, resin transfer molded. 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. GRP skin layed and cured so that outer 3mm of the 20mm GRP skin to be clear resin without glass fibres.

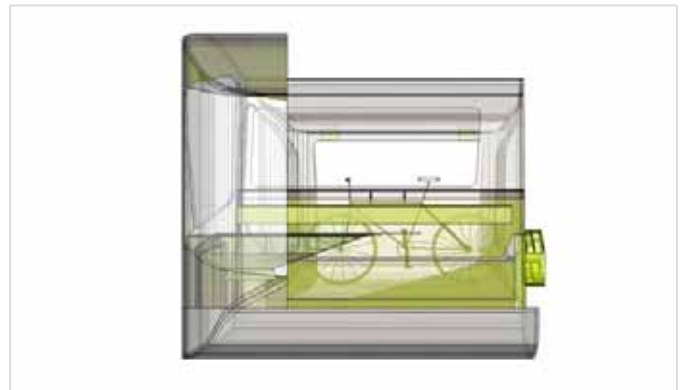
SECTION - 4/5 SEATER UNIT B

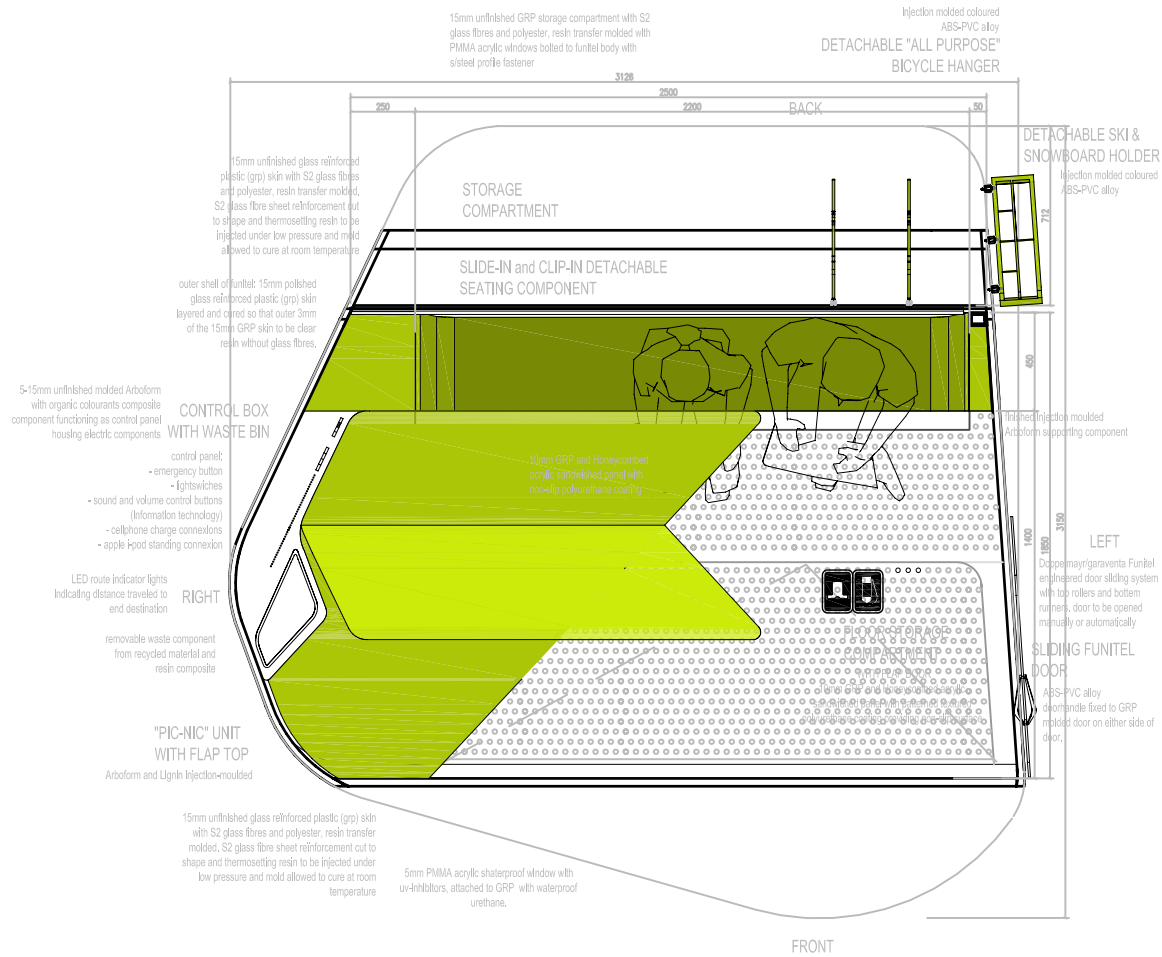
SCALE 1:30



LEGEND -  
"PIC-NIC" UNIT

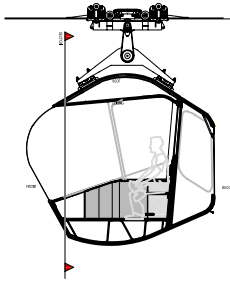
"PICNIC" UNIT C  
NO SCALE





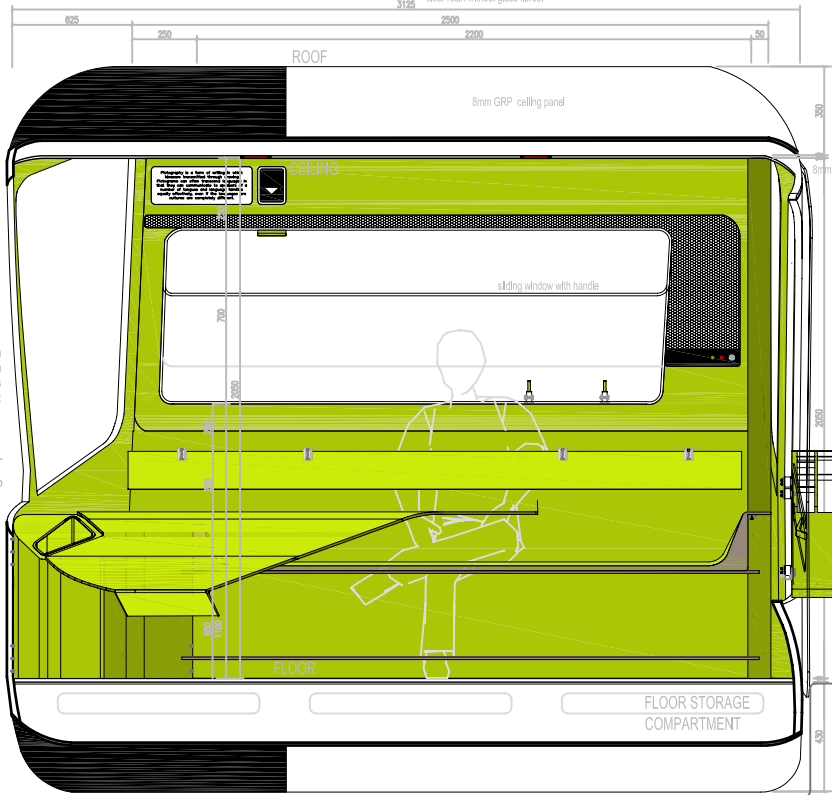
PLAN - "PICNIC" UNIT C

SCALE 1:30



SECTION INDICATOR

20mm unfinished glass reinforced plastic (grp) skin with S2 glass fibres and polyester, resin transfer molded. 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. GRP skin layed and cured so that outer 3mm of the 20mm GRP skin to be clear resin without glass fibres.



15mm polished glass reinforced plastic (grp) skin layed and cured so that outer 3mm of the 15mm GRP skin to be clear resin without glass fibres.

5mm PMMA acrylic shatterproof window with uv-inhibitors, attached to GRP seals and appliques with waterproof urethane making the connection watertight as specified by HPS specialist

RIGHT

"PIC-NIC" UNIT  
WITH FLAP TOP

Arboform and Lignin injection-moulded component with clip-in mechanism.

CONTROL BOX  
WITH WASTE BIN

5-15mm unfinished molded Arboform with organic colourants composite component functioning as control panel housing electric components

LED route indicator lights  
indicating distance traveled to end destination

with removable waste component from recycled material and resin composite

ROOF

8mm GRP ceiling panel

CEILING

sliding window with handle

FLOOR

FLOOR STORAGE  
COMPARTMENT

Injection molded coloured ABS-PVC alloy  
DETACHABLE "ALL PURPOSE"  
BICYCLE HANGER

SLIDING FUNITEL  
DOOR

5mm PMMA acrylic shatterproof door glazing with uv-inhibitors, attached to GRP with waterproof urethane.

Doppelmayr/garaventa Funitel engineered door sliding system with top rollers and bottom runners. door to be opened manually or automatically

LEFT

SLIDE-IN DETACHABLE  
SEATING COMPONENT

15mm finished molded Arboform tough lightweight and lignin resin composite with organic colourants and "Isoskin" cushioning

DETACHABLE SKI &  
SNOWBOARD HOLDER

Injection molded coloured ABS-PVC alloy  
RGB 171-197-7

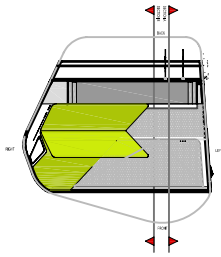


20mm unfinished glass reinforced plastic (grp) skin with S2 glass fibres and polyester, resin transfer molded. S2 glass fibre sheet reinforcement cut to shape and thermosetting resin to be injected under low pressure and mold allowed to cure at room temperature. GRP skin layed and cured so that outer 3mm of the 20mm GRP skin to be clear resin without glass fibres.

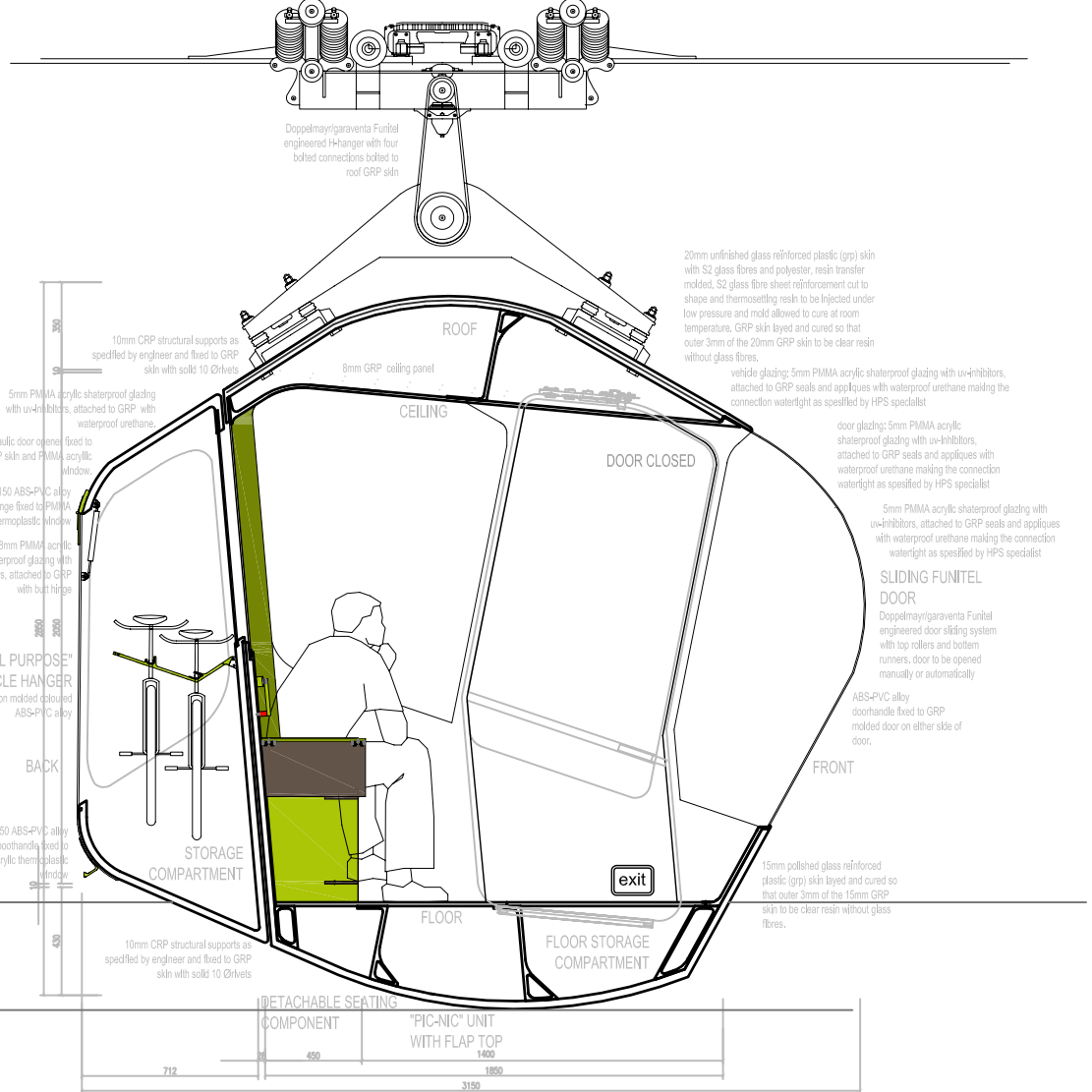
SECTION - "PICNIC" UNIT C

SCALE 1:30





SECTION INDICATOR



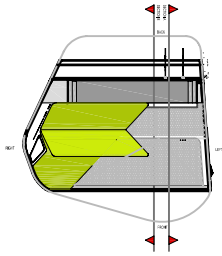
SECTION A: DOOR CLOSED

SCALE 1:30

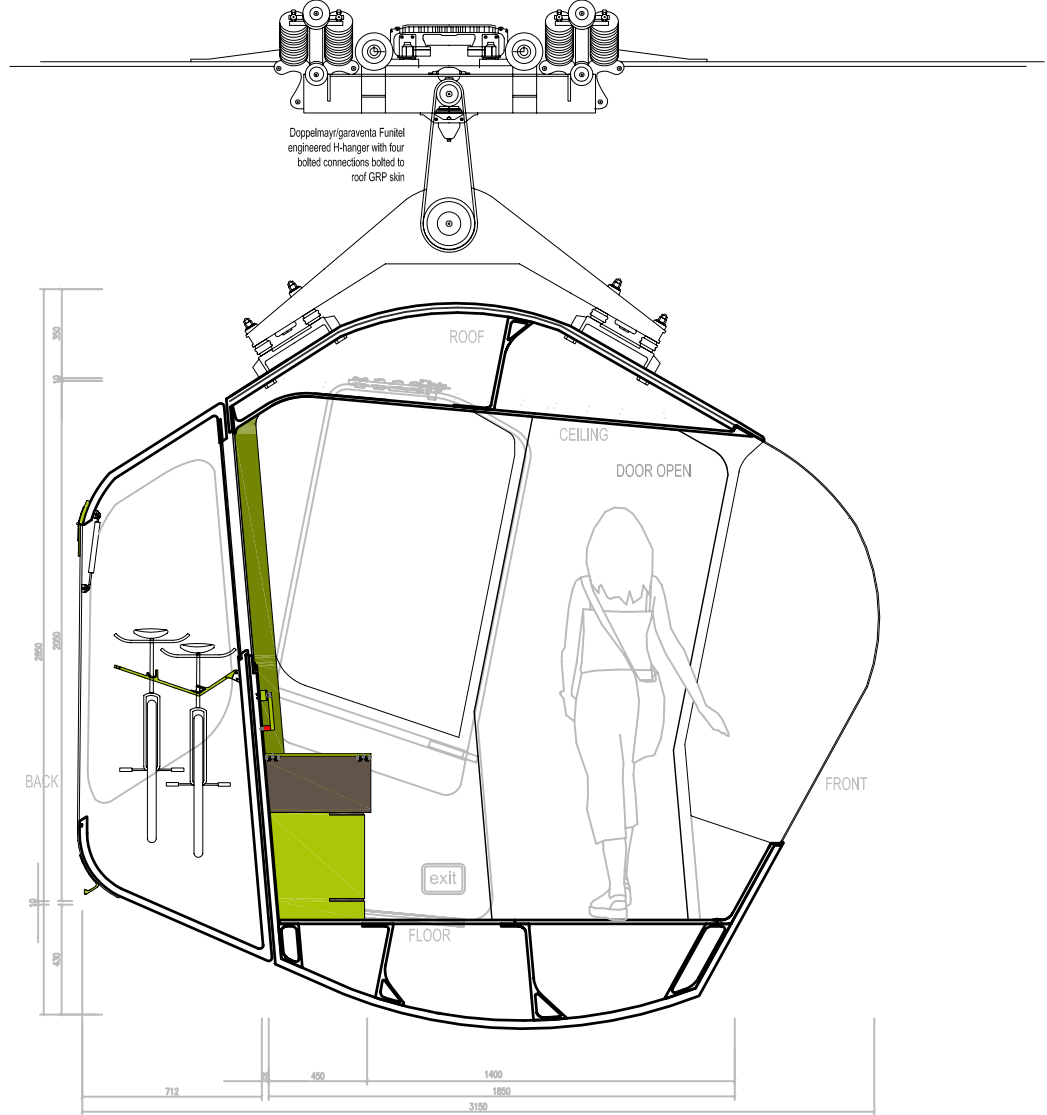




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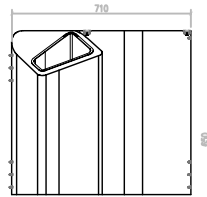
SECTION INDICATOR



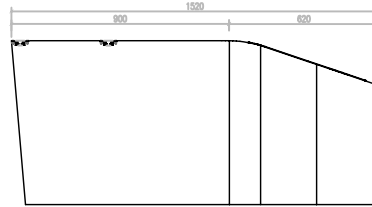
SECTION A : DOOR OPEN

SCALE 1:30

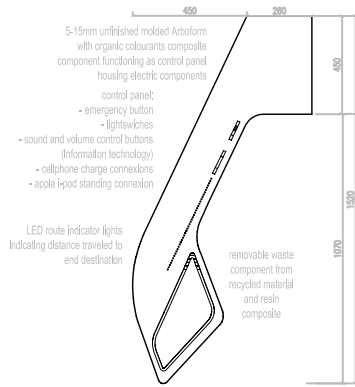
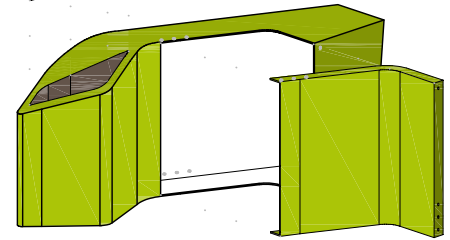
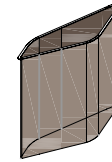




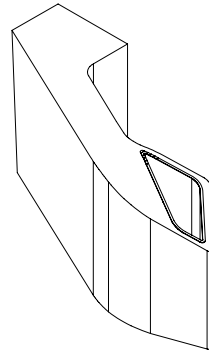
FRONT ELEVATION



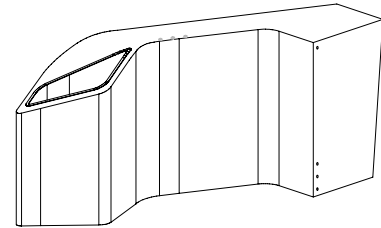
SIDE ELEVATION



PLAN



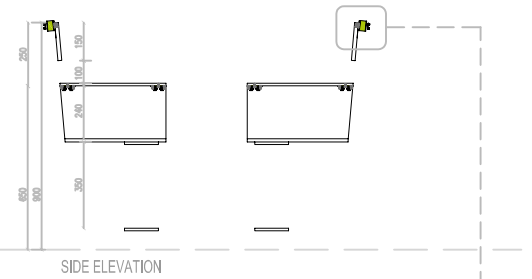
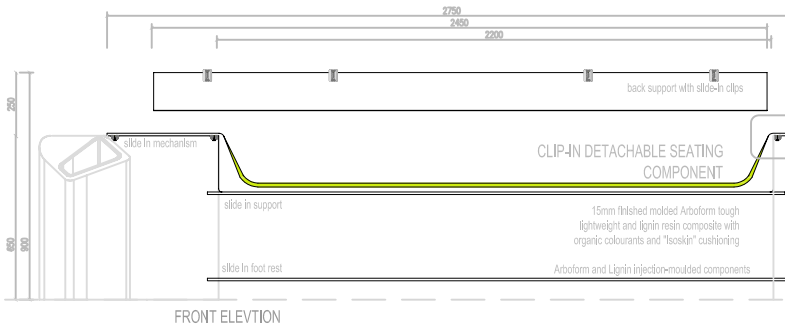
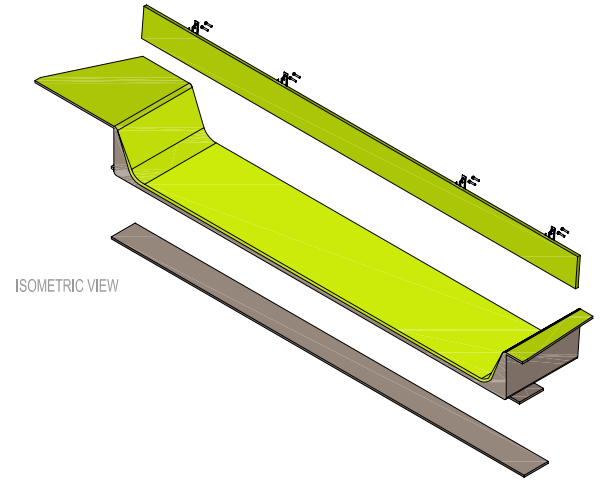
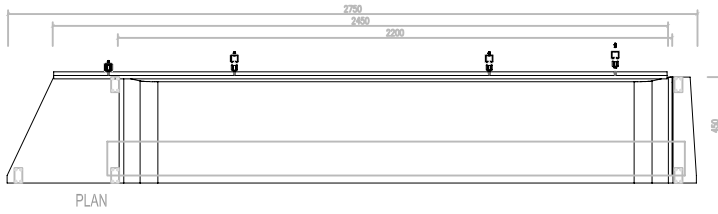
ISOMETRIC VIEW



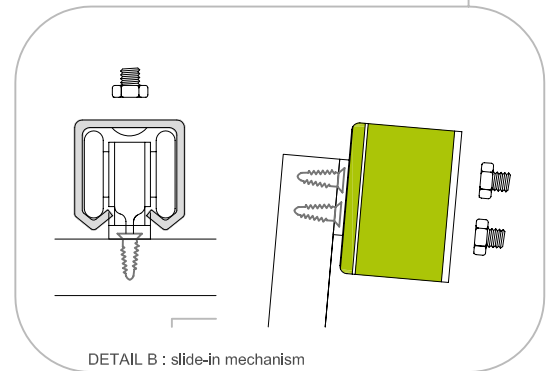
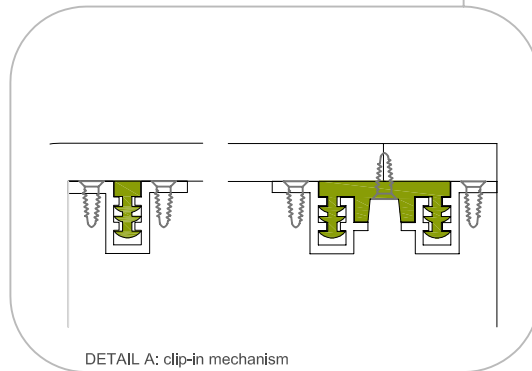
ISOMETRIC VIEW - ASSEMBLY

CONTROL BOX with electronics and waste bin

SCALE 1:30

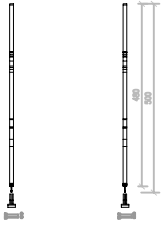


DETACHABLE SLIDE-IN SEATER  
SCALE 1:30

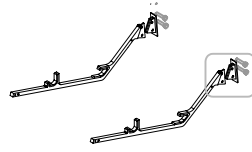




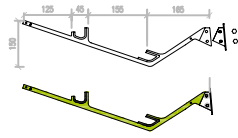
Injection molded coloured ABS-PVC alloy  
RGD 171-197-7  
with rubber grip for bicycle bar and openings for rope grip.



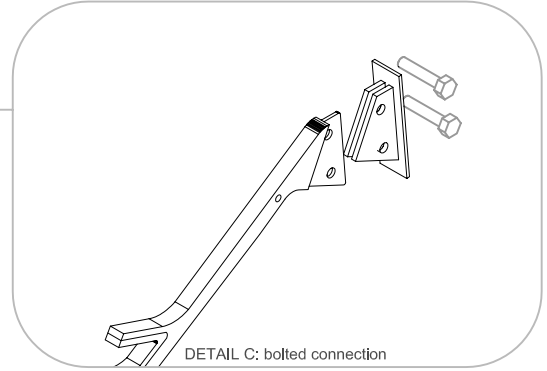
FRONT ELEVATION



ISOMETRIC VIEW



SIDE ELEVATION

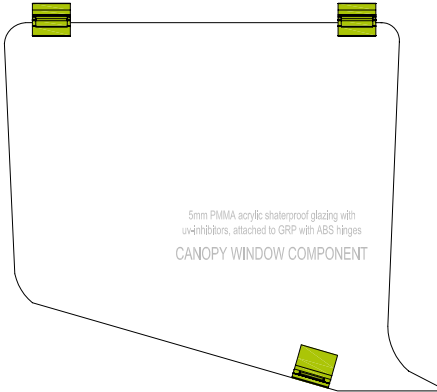


DETAIL C: bolted connection

SCALE 1:4

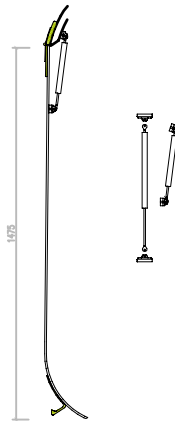
## MULTI-PURPOSE RACK

SCALE 1:20



ELEVATION

5mm PMMA acrylic shatterproof glazing with  
uv-inhibitors, attached to GRP with ABS hinges  
CANOPY WINDOW COMPONENT

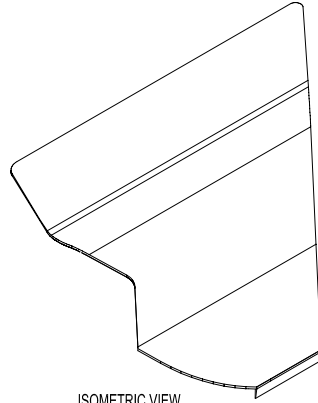


SECTION

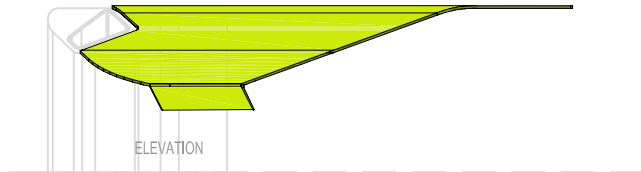
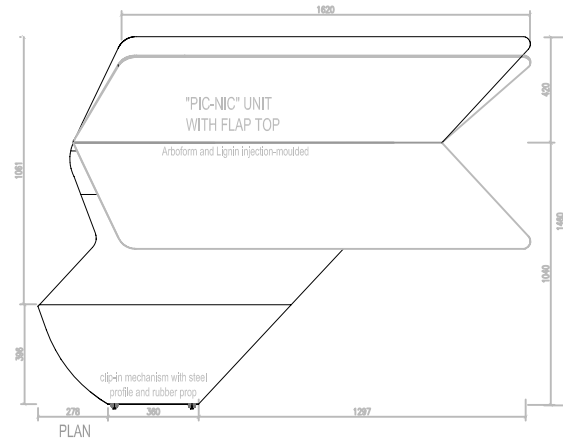
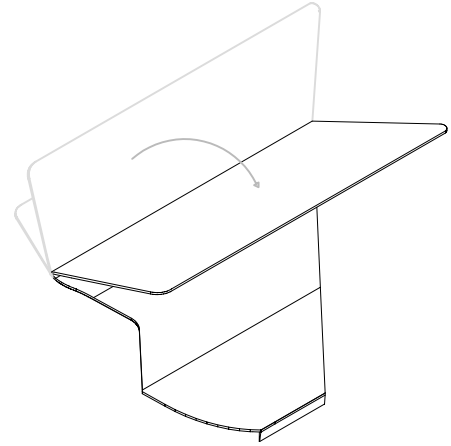


## CANOPY WINDOW AND HYDRAULICS

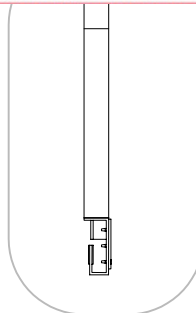
SCALE 1:30



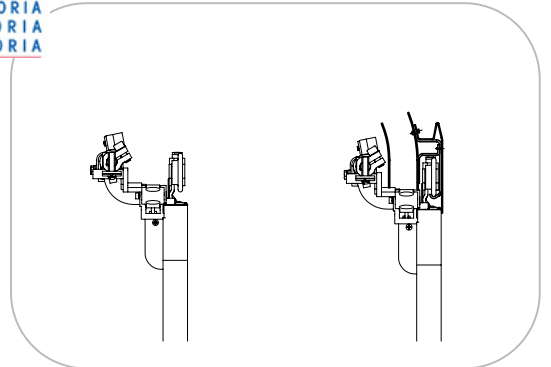
ISOMETRIC VIEW



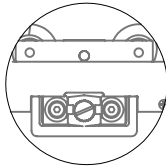
ELEVATION



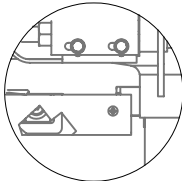
ROLLER DETAIL G: bottom roller  
SCALE 1:4



ROLLER DETAIL F: top roller  
SCALE 1:4



ELEVATION: DETAIL D



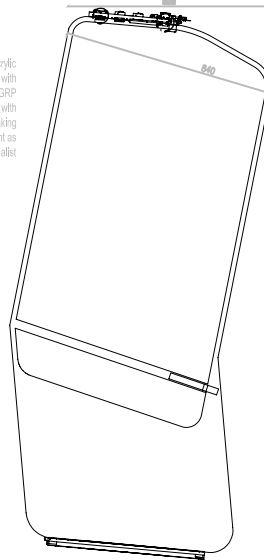
ELEVATION: DETAIL E

5mm PMMA acrylic  
shatterproof glazing with  
uv4inhibitors, attached to GRP  
seals and appliques with  
waterproof urethane making  
the connection watertight as  
specified by HPS specialist

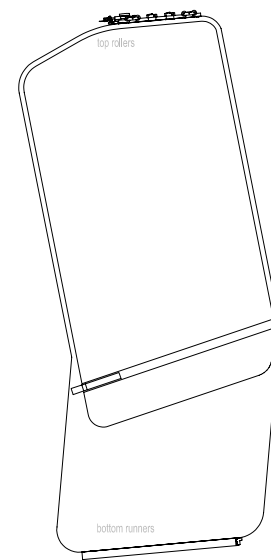
SLIDING FUNITEL  
DOOR

Doppelmayr/garaventa Funitel  
engineered door sliding system  
with top rollers and bottom  
runners, door to be opened  
manually or automatically

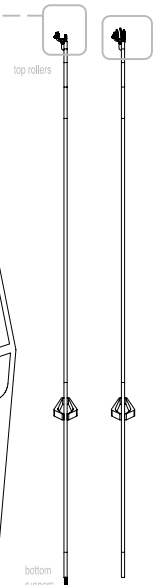
ABS-PVC alloy  
doorhandle fixed to GRP  
molded door on either side of  
door.



INTERNAL VIEW



EXTERNAL VIEW



VERTICAL SECTION

SLIDING FUNITEL DOOR

SCALE 1:30







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