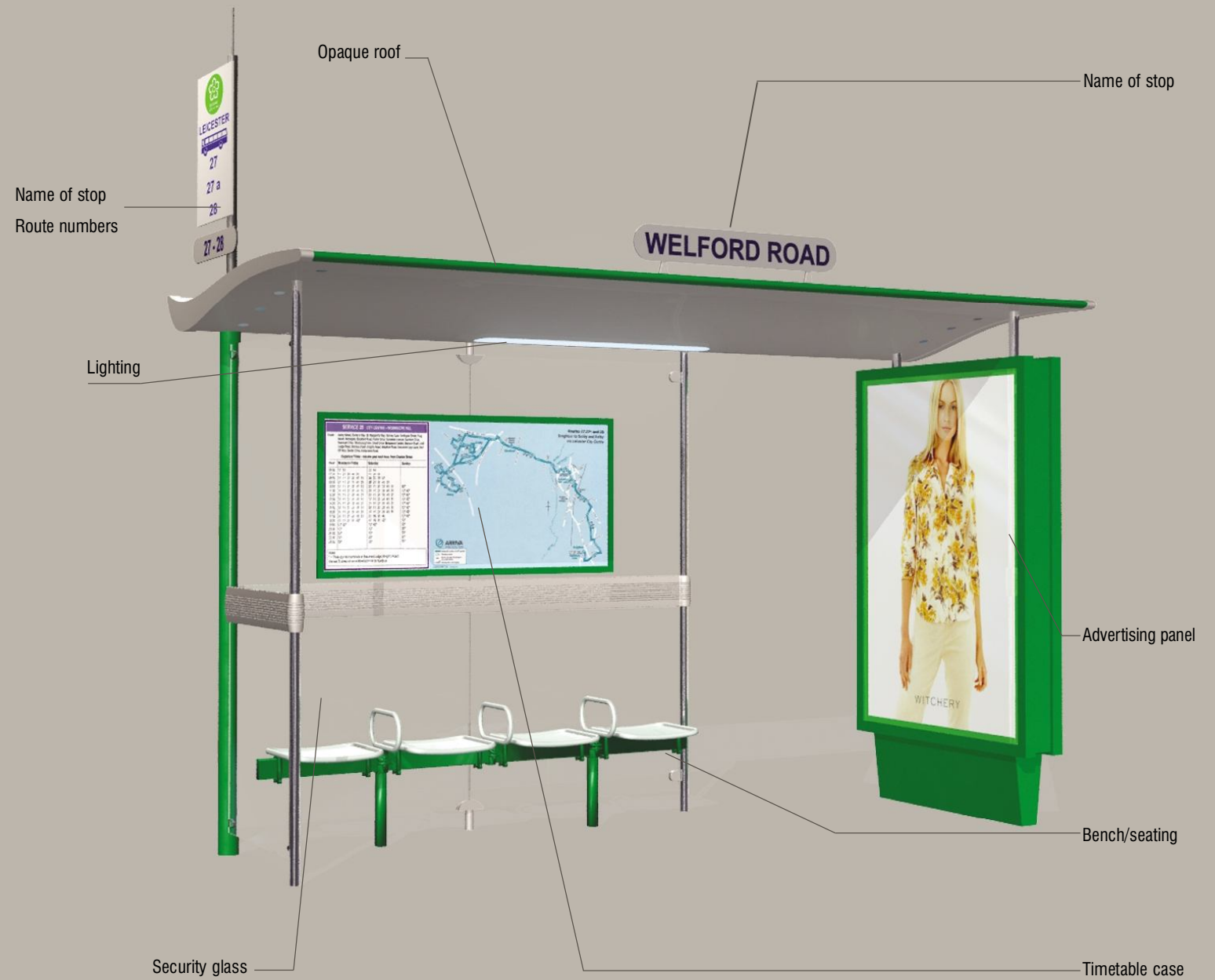




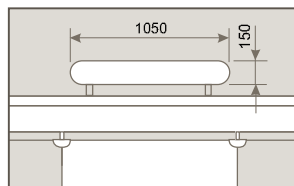
Hydra Design

Bus Shelter

Plan

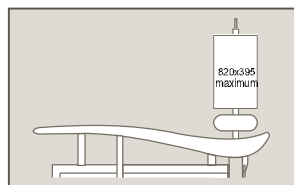


Name of stop



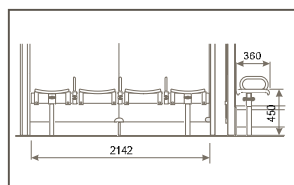
4 mm thick polycarbonate plaque
fixed to the roof

Name of stop
Route numbers



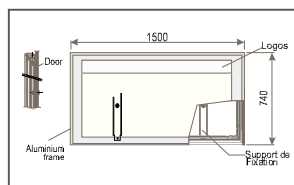
Painted aluminium

Bench/seating

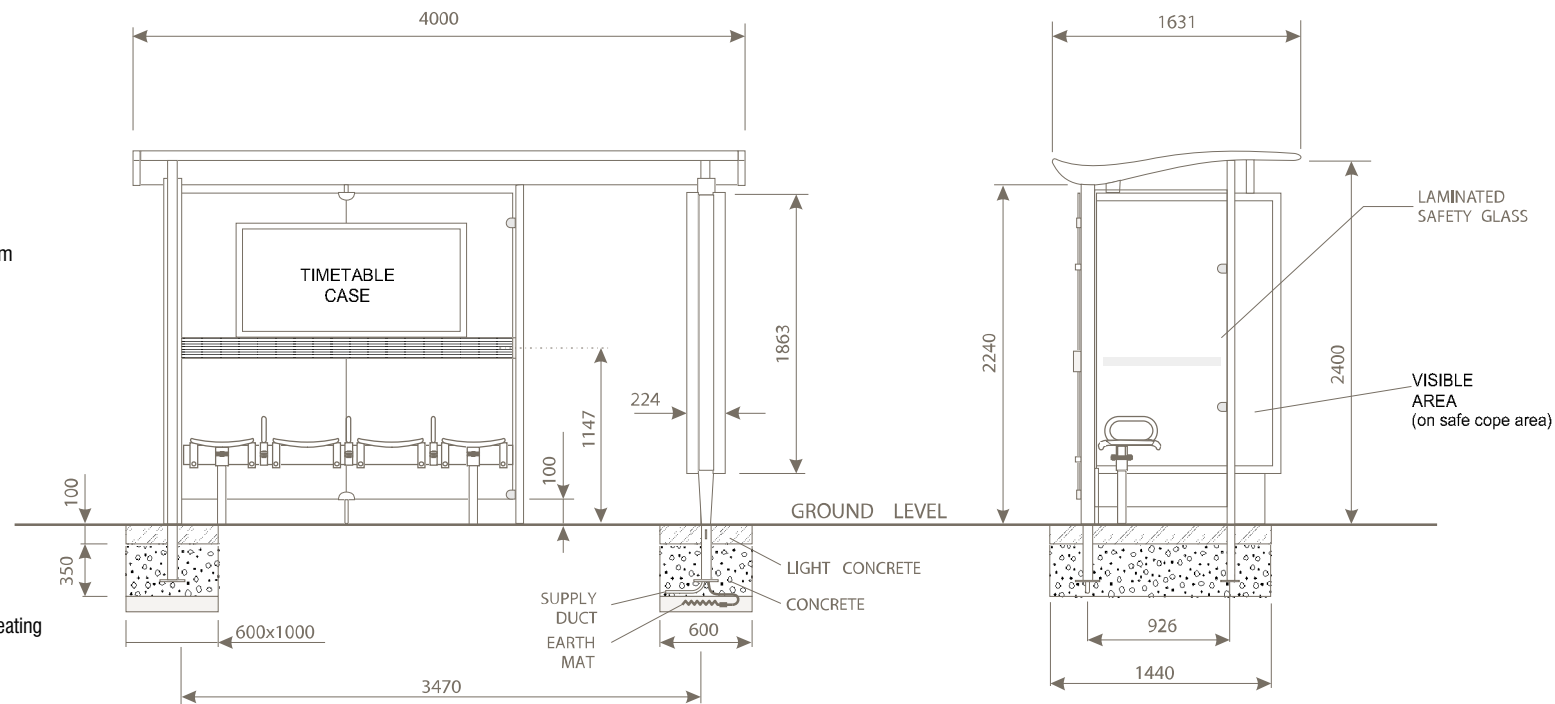


Stainless steel seating

Timetable case



6060TS aluminium frame
3 mm thick polycarbonate
Anti-condensation system



Structure

The opaque roof, moulded in one piece, is supported by the frame and the advertising panel and mounted on side trims.

The bus shelter was designed to resist winds up to 100 miles/hour, its design provides protection against bad weather and makes maintenance easy.

FRAME

At one end is the advertising panel. At the other end is a galvanised steel post at the rear and a stainless steel at the front. Both are anchored to the floor.

Different configurations are available depending on individual site constraints.

GLASS

Made of 10mm thick security glass. Different sizes for the return glass are available. In the eventuality of a breakage, the glass shatters in order to avoid any risk of injury.

We use transparent glass, as it is easy to clean and to maintain and also to remove fly-posting.

Modular design of the glass panels in order to manipulate them more easily.

There is a gap no greater than 100mm between the ground and the bottom of the shelter to offer maximum protection.

ROOF

The roof is made of a reinforced tinted polyester fibreglass

Stainless steel moulded fascia forms the roof trimming

The roof can withstand a load of 250kg/m².

The design of the roof allows water to be drained to the back of the shelter.



Advertising panel

It supports the main structure of the roof. It is equipped with two doors, which open out from the bottom to allow posting. The advertising panel is equipped with a skirt on its lower part.

The shelter is also available without the advertising panel.

Characteristics

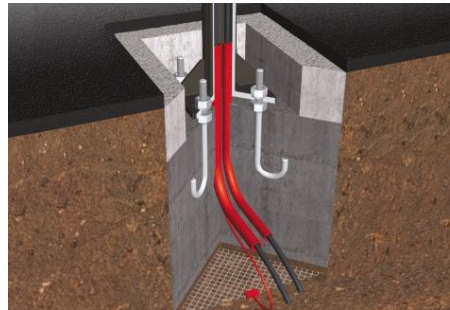
Material:

- Frame and doors in aluminium extruded section
- 8mm thick safety glass door
- Entirely waterproof advertising case
- Chock resistant index IK 07
- Lighting by 3 fluorescent tubes
- Natural air circulation in order to avoid condensation
- Locking mechanism
- Poster support Foundations



Foundations

The foundations are made of concrete with a minimum strength of 35N/mm², including anchor bolts, earth mat and supply ducts, and are constructed on site.



Lighting

Illumination is incorporated within the roof and also provided by the advertising panel. The shelter is equipped with one ballast, a 25/30mA Residual Current Circuit Device (RCCD) and 1x6Amp Miniature Circuit Breaker (MCB).

Power supply from the advertising case: 36W per fluorescent tube

Average illumination level: 45 lux at 1M above floor level.

Average power consumption

- Shelter: 0.40kwh/day

- Advertising panel: 2kwh/day

Power Supply: 220/240V-50Hz

Total power consumption: 270W

DURABILITY OF MATERIALS	PROTECTION
Steel	SA3 shot blasting, 80-micron zinc plating, electroplating of all water drainage areas.
Aluminium	degreased cleaned and coated with a polyester powder paint, oven baked at 1800C, thickness 100 microns, anodization of certain aluminium parts.



Electricity

All of the internal wiring and electrical components comply with their relevant British Standards and are installed in accordance with BS7671 of 16th Edition of the IEE Wiring Regulations. This street furniture also complies with the relevant European CE directives as follows:

- EN50081-1 (92) and EN50082-1 (97)
- EN61000-3-2 (95) A1(98) and A2 (98)
- EN61000-3-3 (95)

Real time information

This bus shelter is fully compatible to receive a real-time information system.

