

Customer NSW National Parks and Wildlife Services / NSW Department of Public Works

Product Five Custom Stand-A-Lone Restrooms

Project Warrumbungle National Park

Location Coonabarrabran, New South Wales

Designer NSW National Parks and Wildlife Services Specification

Installer Landmark Products, 2015

Ref No 26217





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#### Overview:

The Warrumbungle National Park is in country New South Wales approximately 470km's drive west of Port Macquarie, and 24km's west of Coonabarabran.

Back in 2013 the park was ravaged by bush fires which has since become a major research and recovery program by NSW National Parks.

Part of this recovery has been the installation of five (5) straight pump-out stand-alone restrooms.



### Restroom Design:

All restrooms have two (2) unisex cubicles, one (1) accessible and one (1) ambulant. All restrooms are to NPWS specifications and includes:

- HDG steel finished in Dulux Weathermax HBR
- Ampelite Webglas Ice Clear roof
- Colorbond custom orb cladding
- SS316 3mm mesh infills
- Sealeck ultraguard doors
- Aluminium composite and mini orb corrugation inside lining
- 240W photovoltaic panels

# Treatment System:

All of these restrooms are standalone units with a 5000 litre pump out straight drop toilet system.

The holding tanks are concrete and installed underground below each of the restrooms.

We used a Gough Plastics non flush paper dampener pedestal pan and seat.



The flooring inside the cubicles is 18mm Fibre Cement sheeting coated in an anti-slip finish that provides a strong easy surface to maintain.

Stainless steel single bowl basins, grab rails, toilet roll holders and mirrors a re used.

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#### 24 Volt Electrical:

Lighting is powered by a 24V system using; 2x 250W photovoltaic solar panels connected to a 220ah Victron gel battery. It is controlled by a Victron 24V DC/DC converter and MPPT controller.

The electrical fit-out is housed in an externally accessible steel cabinet and finished in Dulux Ferrdor 810 PC552, Windspray as per all other steel.

## Lighting:

The lighting used on the outside is a Vision X dual 24" LED to mining specifications. It produces 3500 Lumens with a 150 degree of spread.

The interior light is a Vision X single 24" LED to mining specifications. It produces 1750 Lumens with a 120 degree of spread.

Both lights are wired using motion sensors and dawn to dusk controller.

## Roofing:

Roofing comprises of both Custom Orb XRW and Ampelite Webglas.

The larger part is Ampelite Webglas in Ice Clear. This provides a bright interior during daylight hours and allows users to see the interior lights shining through when in use at night.

SS316 grade with 3mm aperture mesh infills close gaps preventing insects and the like.

#### Installation:

The whole project was installed and project managed by our Sydney operation.

All these restrooms were installed by Landmark Products and a team of selected skilled subcontractors deployed from Sydney.

Local materials and trades were used where possible.











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## Design:

These restrooms were designed by NPWS and specified with exacting requirements.

### Site:

The site is fairly remote and the distance between the five (5) restrooms is approximately a few kilometres from each other. They are situated at camp sites for day use and car park areas within the National Park.

### Installation:

We provided the installation and project management from our Sydney operation, with support from our Brisbane head office.

## Outcome:

The finished result delivered five (5) high quality restrooms throughout the National Park that will enable visitors to come back to the park since the fires of 2013.







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# Floor Layouts:





