

CS STUDIO ARCHITECTS

DAWID KLAASTE MULTI PURPOSE CENTRE

LOCATION: LAINGSBURG, WESTERN CAPE

DATE: 2002 -2005

BACKGROUND

Laingsburg is a rural Karoo town 280km from Cape Town on the N1. Its history dates back to the mid – 1700's, when the area was established to grow fresh produce for travelers. The site ERF1884 is located on the corner of Main Road and Third Avenue, Goldnerville - the historically 'non white' area. The site was chosen after a process of community consultation. It was an old rugby field which had two existing shed like structures. We were tasked with transforming these existing structures into a dynamic environment, which would attract travelers and the local residents alike.

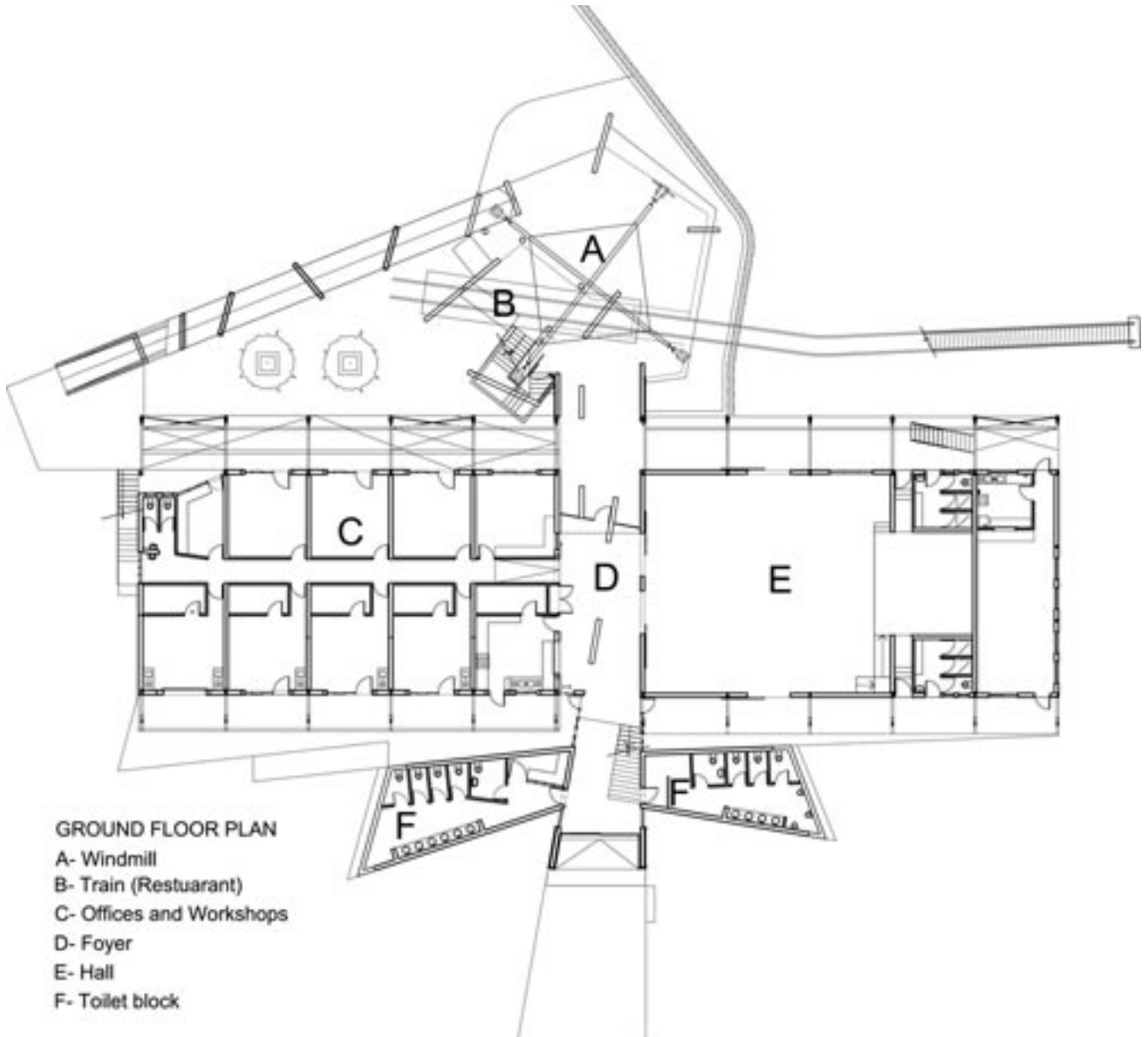
DESIGN PROCESS AND CONCEPT

The concept was developed over a series of design meetings. The following had to be considered: The rich fauna and flora environment of the area, the flood of September 1981, the windmill as a symbol of the Karoo, the train and the water scorpion. (Cape Town based palaeontologist John Arnold discovered the track way of a gigantic water scorpion, or eurypterid, in the 260 million year old marine rocks, near Laingsburg. Local mythology soon translated the water scorpion to the "water krik".) Secondly, we had to incorporate locally trained people in metalwork and electrical skills during the construction process. The two existing shed like buildings were taken apart and recycled. The roofs were extended to become single,

mono-pitched roofs with large overhangs creating outdoor shaded areas at different times of the day. The existing roofing material was re-used as vertical cladding to the spine of the building, as well as on the newly created first floor office component. The metalwork executed by the local trainees that were trained by Willie Bester, was a very rewarding process. All the buildings' handrails were made from farmyard scrap and painted a blue purple for decorative purposes. A clear reference from many locals was that the floodwater of 1981 raged through the town like 'an angry red bull'. The result was the request by the community to paint the building a symbolic red.

A concrete ramp provides outdoor access leading to the first floor of the windmill structure. At the first floor of the windmill, an old railway goods carriage has been placed on railway tracks. The train has been designed to be a restaurant to serve visitors. The windmill head was a major debate during the design process as it was argued that the large scale of the blades could make the windmill 'take off'. Hence, at the top of the windmill sits a rocket head, ready to launch itself into the hemisphere. The central spine connects the newly created wedge shaped public toilet blocks on the west side with the sheds in the middle and the windmill on the east side.

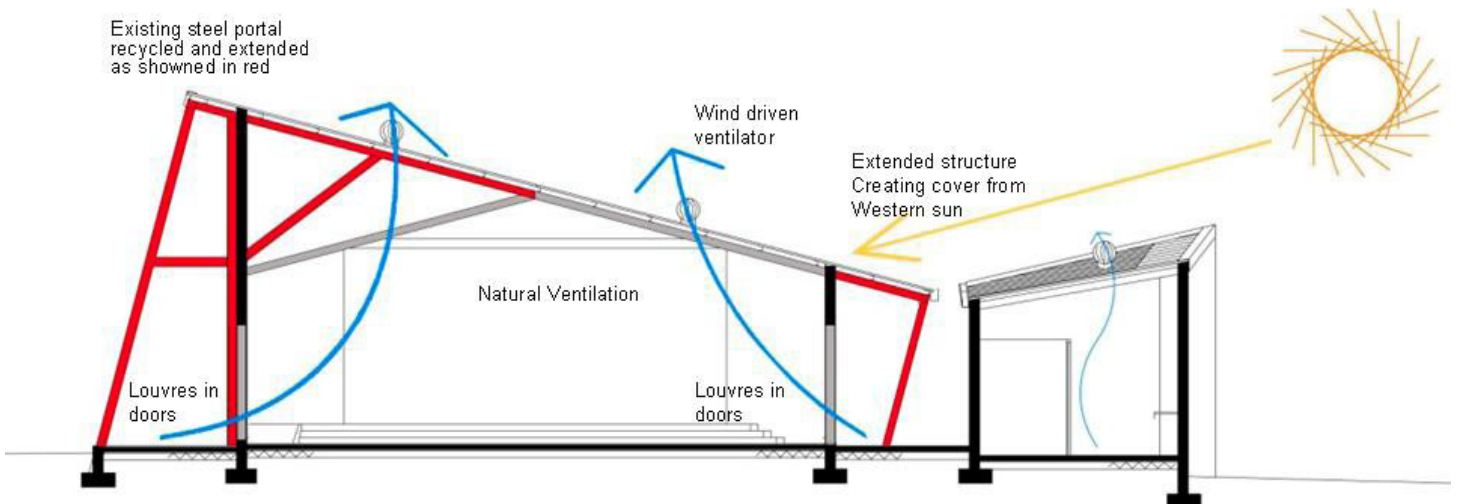
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GROUND FLOOR PLAN

- A- Windmill
- B- Train (Restuarant)
- C- Offices and Workshops
- D- Foyer
- E- Hall
- F- Toilet block

Existing steel portal
recycled and extended
as shown in red



Louvres in
doors

Wind driven
ventilator

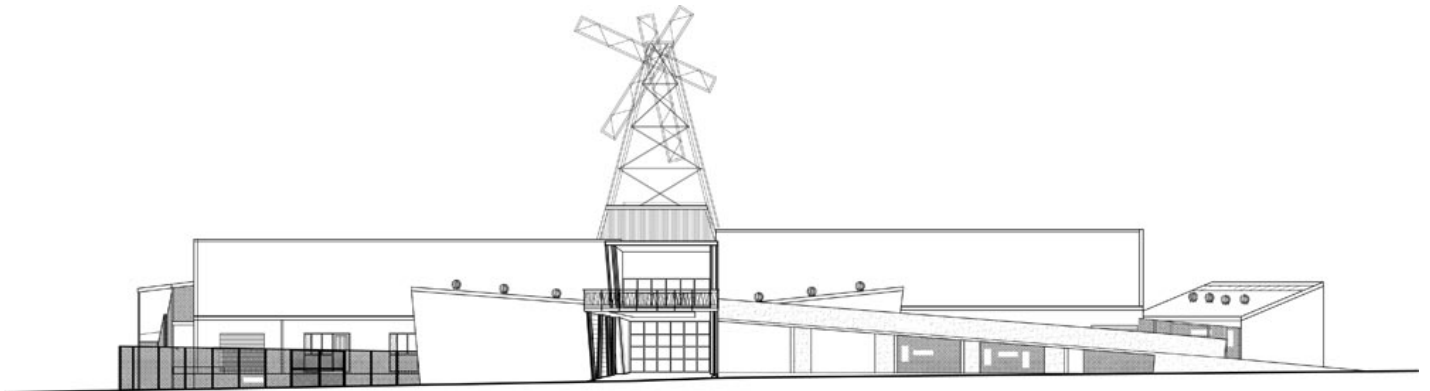
Extended structure
Creating cover from
Western sun

Natural Ventilation

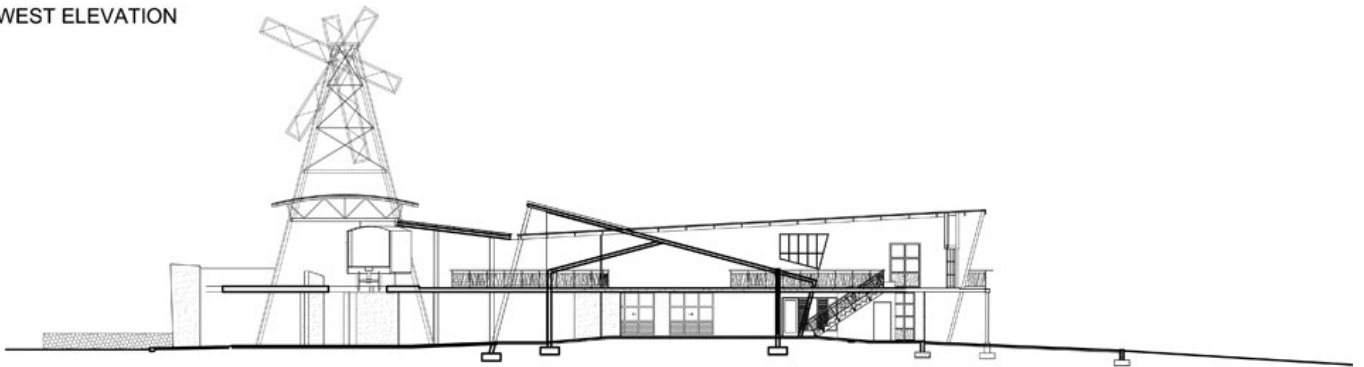
Louvres in
doors

Toilet block naturally ventilated
and lit from above
with translucent roofsheets

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WEST ELEVATION



SECTION