Architecture
Overview of Detailed Design Improvements
Paediatric Unit, Kassala Health Citadel, Sudan
Paediatric Unit

General plan
Paediatric Unit

Bird’s-eye view

East view - 1st phase
Paediatric Unit

Bird’s-eye view

East view - final phase
Paediatric Unit

Main entrance

Northeast view - 1st phase
Paediatric Unit

OPD waiting area

East view - 1st phase
Paediatric Unit

OPD waiting area

East view - final phase
Paediatric Unit

Materials

Sudanese bricks

'Jaalis' perforated clay bricks

Metallic chainlink

Porcelain tiles

Screed concrete floor

River stones

Soft stucco (Exterior)

Plaster (interior)

Acrylic paint

‘Sandwich’ roof panels

Aluminum windows

Aluminum louvres
Paediatric Unit

Wards patio

Final phase
Paediatric Unit

Wards interior corridor

1st phase
Paediatric Unit

**Exterior waiting**

Outpatient interior north facade
Paediatric Unit

Wards block

West view co-patients corridor - 1st phase
To filter and protect the gap in between the roofs, from east/west rain or wind, a 'skin wall' is placed. These new partitions made of ‘jaalis’ clay bricks allows that below the metallic roof these areas keep soft ventilation and guarantees quality air at the admission of AC equipment.

In the north and south facades, a chain link fence avoids the animals’ nest. This metallic net will allow the ventilation above the concrete slab and preserve a sense of lightness of this covering with the metallic ‘trees’.
Paediatric Unit

Roof improvement

East view- 1st phase
Paediatric Unit

Roof east facade

Outpatient east facade- 1st phase