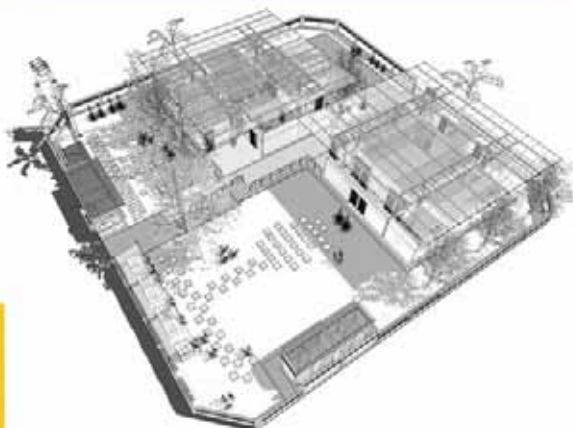




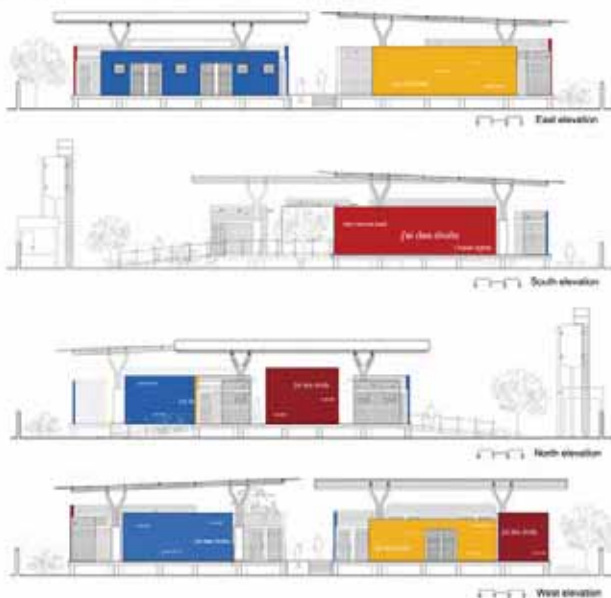
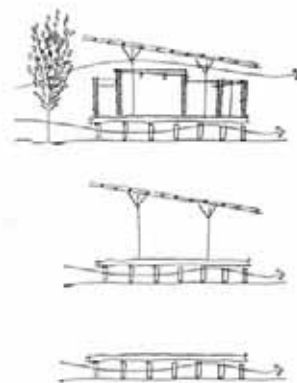
CENTRE POUR LE BIEN-ETRE DES FEMMES Ouagadougou, Burkina Faso, 2005-2007

Riccardo Vannucci
FAREstudio



TEMPERATURE CONTROL

Enhancing natural ventilation exploiting the convecting currents created by the fresh air under the platforms and the warm air below the canopy
Carefully studied [beneficial] building orientation, reducing the effect of hot wind and taking advantage of mutual over shading
Protecting heavy material against direct exposure to the sun
Extensive use of operable windows
Separation of enclosed areas by transitional spaces, such as verandas or patios



LOCATION: urban slum

LOCAL BUILDING TYPOLOGY: not defined

URBAN GROWTH FACTORS: not defined

WATER/SANITATION/ELECTRICITY SUPPLY: not present

HEALTH/SCHOOL/INFRASTRUCTURE FACILITIES: not present

TYPICAL BUILDING MATERIALS: earth, mud bricks, concrete

CFP'S ACTIVITIES: educational, professional, entrepreneurial, peer help, counselling, information and training about sexual health, HIV/AIDS, and female gender nutritional protection

FACILITIES DERIVED FROM THE CFP: social assistance centres, solar garden, safe water, latrines, new roads in the suburbs, water and electricity connections

CFP BUILDING TYPOLOGY: combination of one-storey room earth building, water/electricity supplies, autonomy (with solar water-heater generator), sanitation facilities, ventilation improved, fire, fireproof facilities, health, training and counselling

BUILDING MATERIALS: dry packing compressed earth (DACE) (BTC), reinforced concrete, structural steel, 100% insulation (polyurethane, wool and foam concrete sheathing)

SLUM(e)SCAPE
A challenge for sustainable development projects



48°C = Temperature Record Max [May]
40° = Temperature Average Max [April]
81% = Relative Humidity Max [August]

burkina faso
176th over 177 countries
HDI_Human Development Indicators
source:UNDP

INDEPENDENT STRUCTURE
= flexibility of internal distribution

STRUCTURE
+
FUNCTION A
+
FUNCTION B
+
FUNCTION C
=
BUILDING
an innovative prototype

XXIII World Congress of Architecture

Torino,

June 28th - July 3rd

Lingotto congress centre