North- West Corner
South- East Corner
Exhibition Space Courtyard

Exhibition Space Ramp

3 Dimensional views
West Elevation
Dining Hall & Ramp

Courtyard

Courtyard

3 Dimensional views
Courtyard
North- East Corner

3 Dimensional views
South Elevation
North Elevation

Bird’s eye view
North Elevation in Context
roof sloped down to street protecting shelter from northern sun and public street

roof construction curves down protecting the entrance of the shelter & provides from western sun

larger glazed area on prominent corner

screened glazed reception area creates transitional zone that is transparent but yet protected
rain water collection tanks, used to water the food garden, expressed in the facades to promote awareness of water conservation

shop fronts edge streets to activate residence and greater community

auditorium expressed on façade “advertising” educational

West Elevation
roof construction
independent
from structure curves down
becoming dependent and
protects

Exhibition Space

sidewalks & interaction between
promoted – connection

Entrance to Shelter
East Elevation

Internal South Elevation
EDUCATIONAL Community Centre:  
A3: Places of instruction  
Occupancy where school children, students or other persons assemble for the purpose of tuition or learning  
Population; Number of fixed seats or 1 person per 4m²

WORKSHOPS AND SHOPS:  
B3: Low risk commercial service  
Occupancy where a non-industrial process is carried out and where neither the material handled nor the process carried out falls into the high or moderate risk category  
Population; 1 person per 10 m²

F2: Small shop  
Occupancy where merchandise is displayed and offered for sale to the public and the floor area does not exceed 250 m²  
Population; 1 person per 4 m²

RESTAURANT/ CAFÉ:  
A1: Entertainment and public assembly  
Occupancy where persons gather to eat, drink, dance or participate in other recreation  
Population; 1 person per m²

HOMELESS SHELTER:  
H2: Dormitory  
Occupancy where groups of people are accommodated in one room.  
Population; 1 person per 5 m²

49 x 40m² = 1840m²  
Max residential population: 322 ppl  
AVERAGE POPULATION: 200PPL

Hydrants  
In accordance to TT35, SABS 1128: Part ii  
Hydrants required for building exceeding 12m in height  
Hydrant to be provided with a length of appropriate fire hose 24 m in length together with couplings and a 16 mm internal diameter nozzle

Portable fire extinguishers: TT37  
A3, F2, A1, H2: 1 per 200m², 4.5kg dry chemical portable fire extinguisher  
B3: 1 per 400m², 9kg dry chemical portable fire extinguisher

Fire Protection:  
in accordance with SABS 0400 – NBR – Part T
Escape Routes: TT 16
Two routes less than 45m in length
Ground Floor Plan

Scale 1: 100
First Floor Plan

Scale 1: 100