

# Renovation project

## Phase two - April 2007

- Since Happy Home is hosting 25 children, we became eligible for the final certificate from the Children Department of the Kenyan government. They are very strict and request several elements before handing over the certificates: eg. the building must contain: a different block for girls and boys dorm, a dining, study, playing room, etc.
- Therefore we need to renovate the larger building urgently, the small one does not give us the space to allocate to those requirements. As a matter of fact, we want also to enable more children to live in Happy Home.

Our timing is the following:

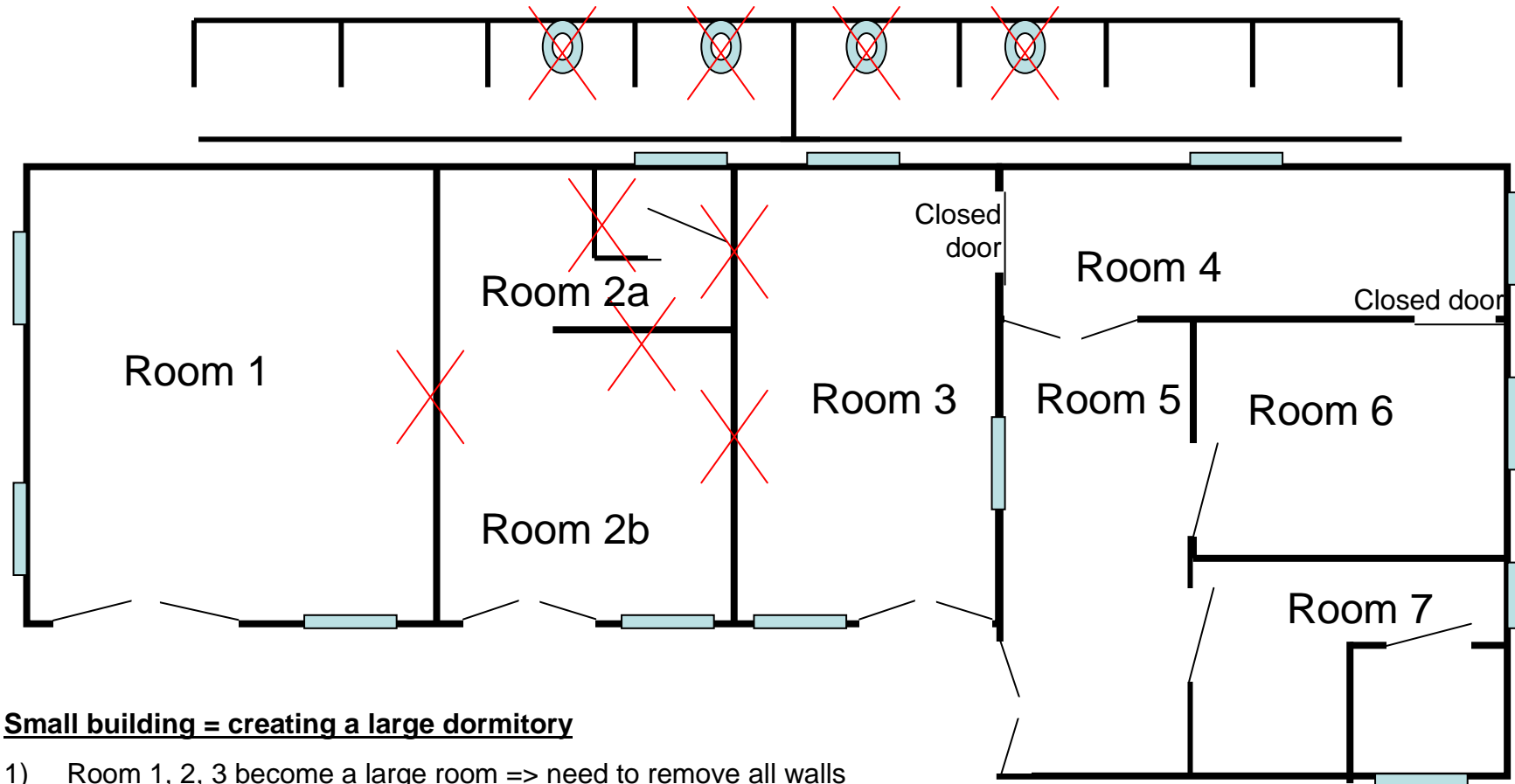
- 1) The plans of the building have been drawn by the Board of trustees last week. You will find a copy in the following pages.
- 2) An architect will be asked to draw professional plans out of those, to enable professional work by the constructor.
- 3) Those plans will be send to the government authorities for approval (we don't want problems after the renovations)
- 4) In the mean time we will invite at least 5 contractors to give their bid on the renovation, and identify the most interesting one. (cost-quality wise).

We hope this process will not take too long.

## Shower blocks

- 1) Remove the toilets and change them into showers
- 2) Increase the drainage capacity of the shower drainage
- 3) Install gutter on the roof of the showers to avoid water erosion in the area between shower block and small building and guide the water to waste water drainage

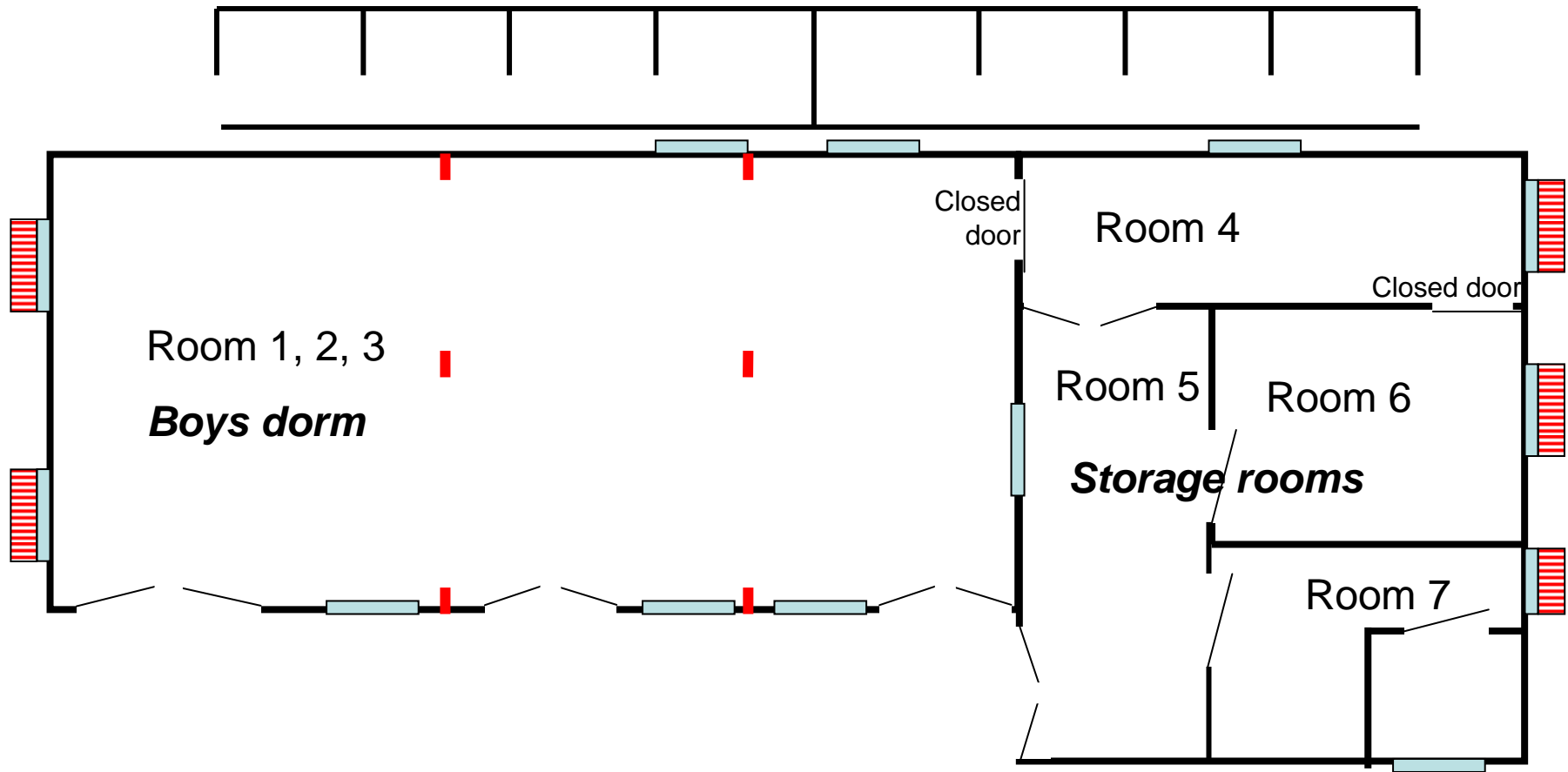
# Small Building



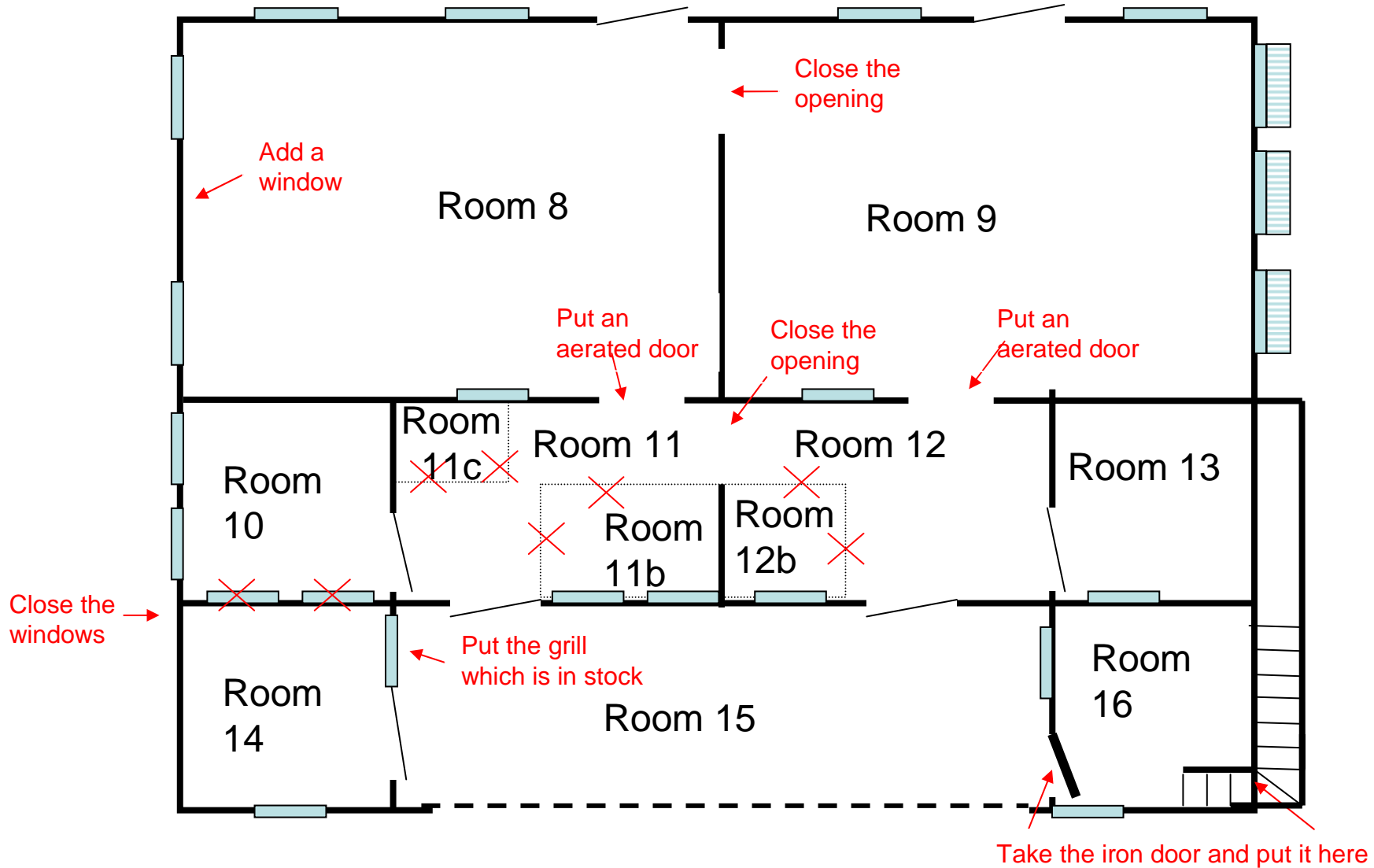
## Small building = creating a large dormitory

- 1) Room 1, 2, 3 become a large room => need to remove all walls and all pillars to keep the building and roof strong
- 2) Install gutter on the roof and guide the water into the drinking water tank
- 3) Add small cover roofs at each outside window to avoid heavy rain to enter the building

# Small Building After Works



# Large Building, ground level

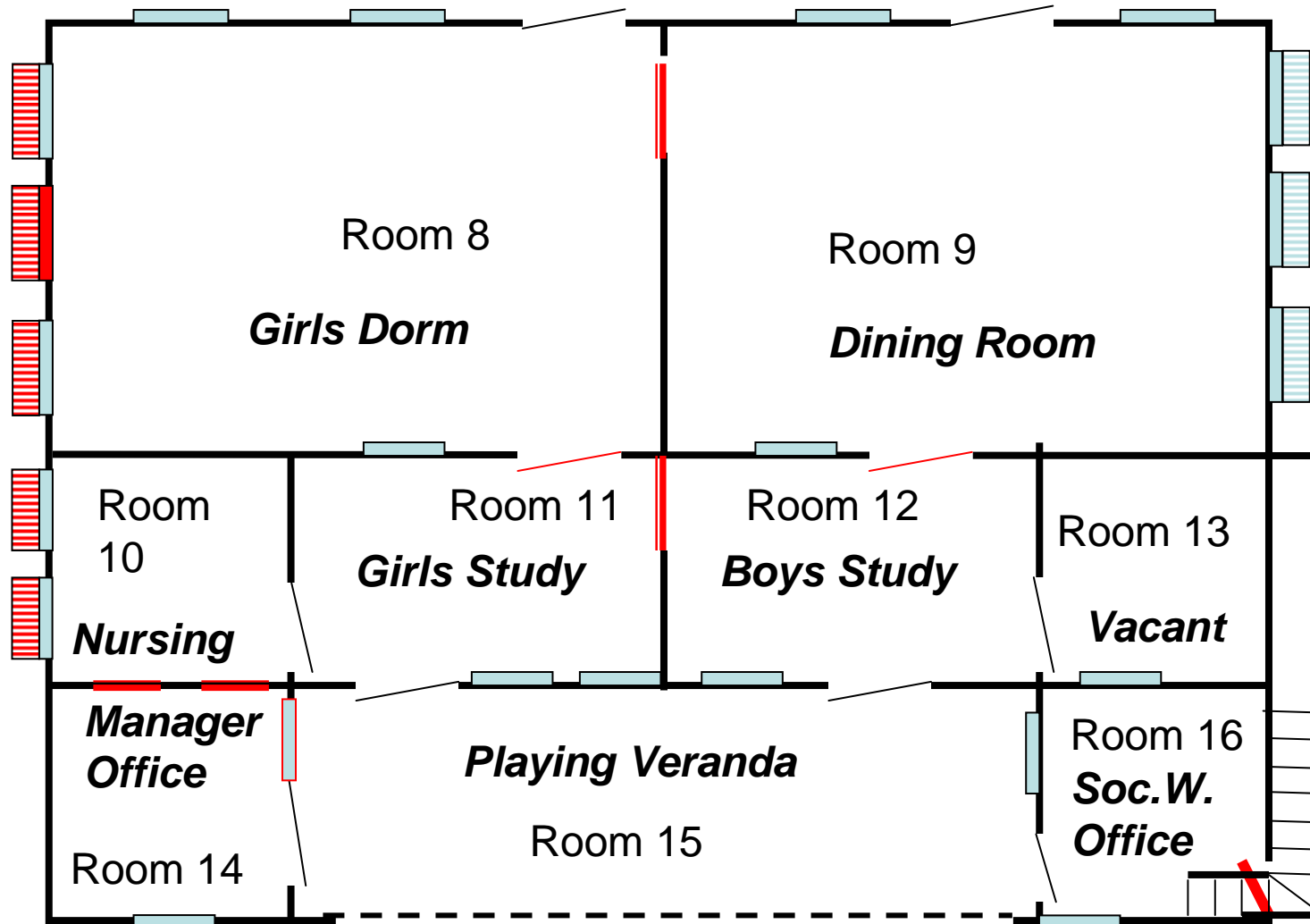


# Large Building, ground level

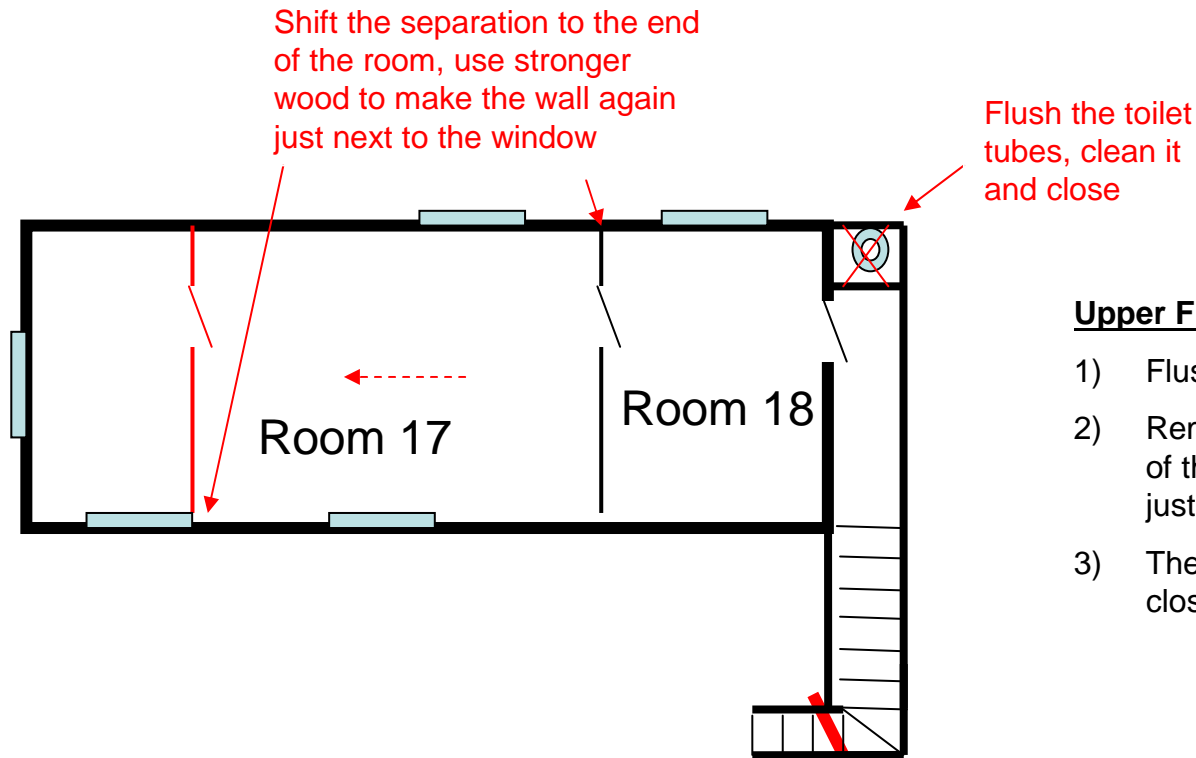
## INSIDE LOWER FLOOR Large building = Separating into two

- 1) Room 8 should be separated from Room 9
- 2) Add a window in Room 8
- 3) Put doors with aeration grill (to allow air transport) between room 8 and 11 and between Room 9 and 12.
- 4) Room 11 separated from Room 12 => close the door openings
- 5) Room 11b, 11c, 12b disappear => remove all wooden panels and wire mesh
- 6) Close the gap on top of the wall between Room 10 and Room 11 with wire mesh and mosquito mesh to make Room 10 isolated with mesh
- 7) Close the windows between room 10 and room 14
- 8) Room 14: Remove the glass windows and put the grill (we have one in stock, no need to buy this one) on the window between Room 14 and Room 15
- 9) Room 16: move the strong door from the veranda to the staircase entrance
- 10) Add small window cover roofs at the outside of each outside window to avoid heavy rains to enter
- 11) Repair the gutters on each side (front and back) of the building and link to the drinking water tank

# Large Building After Works



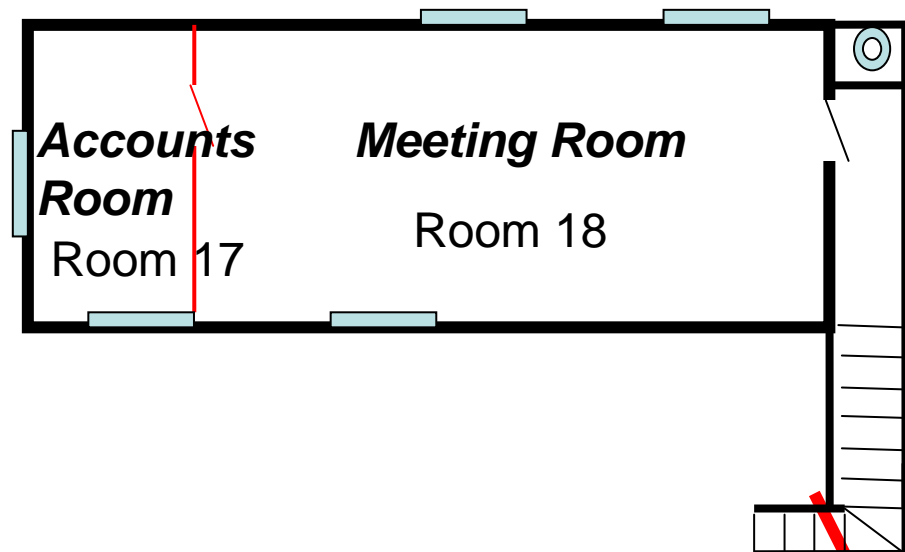
# Upper Floor



## Upper Floor on large building

- 1) Flush the toilet and clean it to be closed
- 2) Remove the wooden wall and shift it to the end of the room. The new wall should be located just next to the last window.
- 3) The new wall should use stronger wood and be closed reaching the ceiling.

# Upper Floor After Works



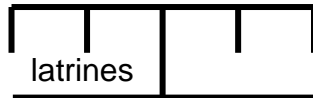
Repair (waterproof cement) of the washing table for clothes

Clean and Repair water tank from inside (waterproof cement)

Side gate

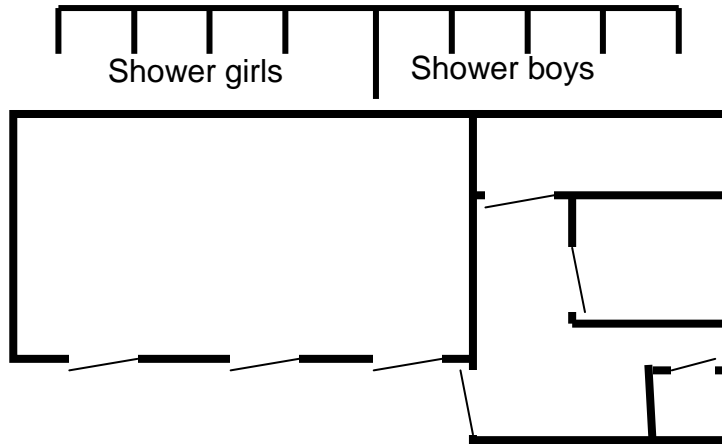
Level with soil the flower beds to avoid accidents

# Works on Compound

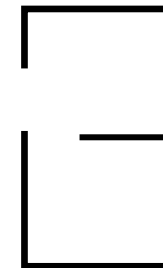


Shower girls

Shower boys



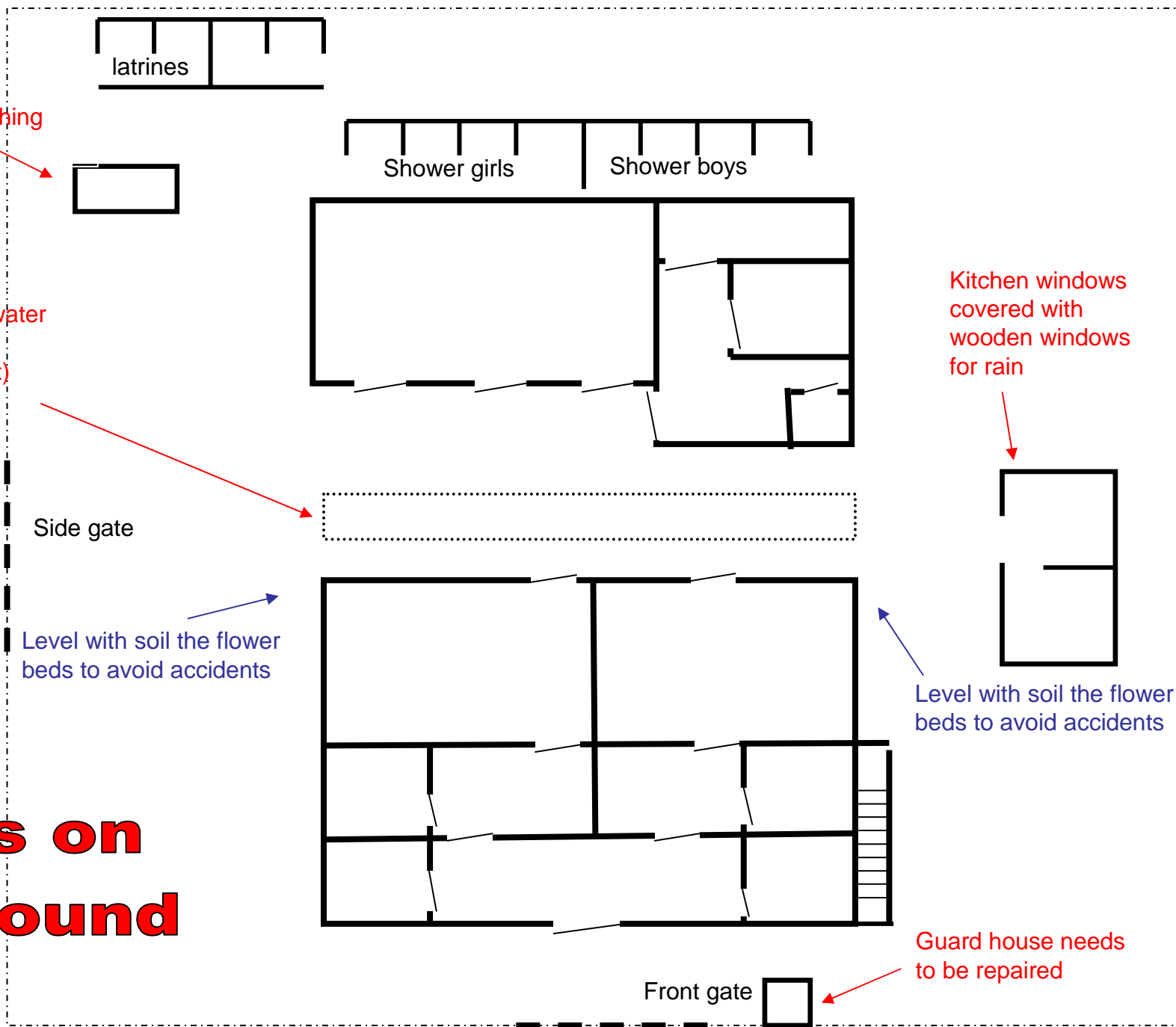
Kitchen windows covered with wooden windows for rain



Level with soil the flower beds to avoid accidents

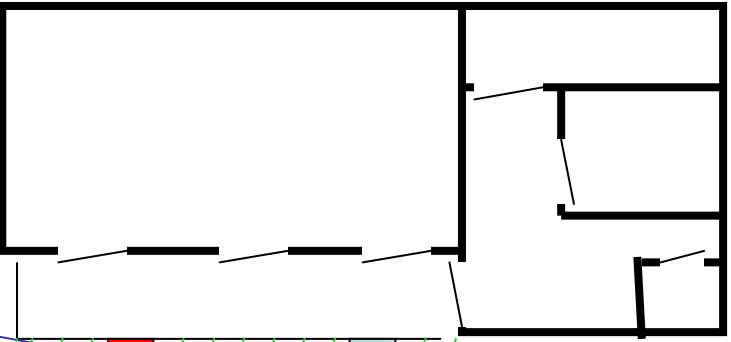
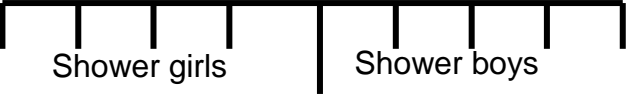
Guard house needs to be repaired

Front gate



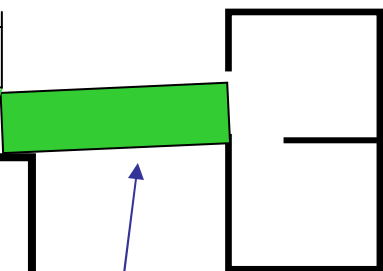
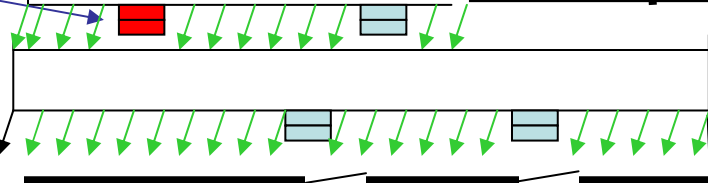


# Cement between buildings

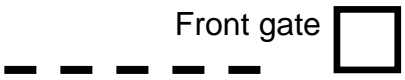
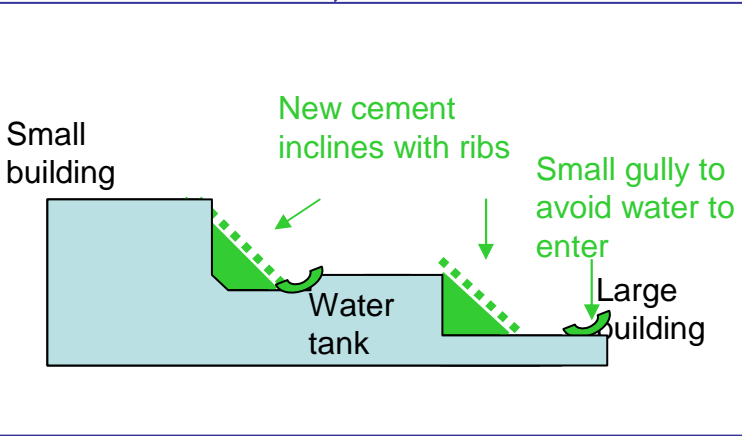


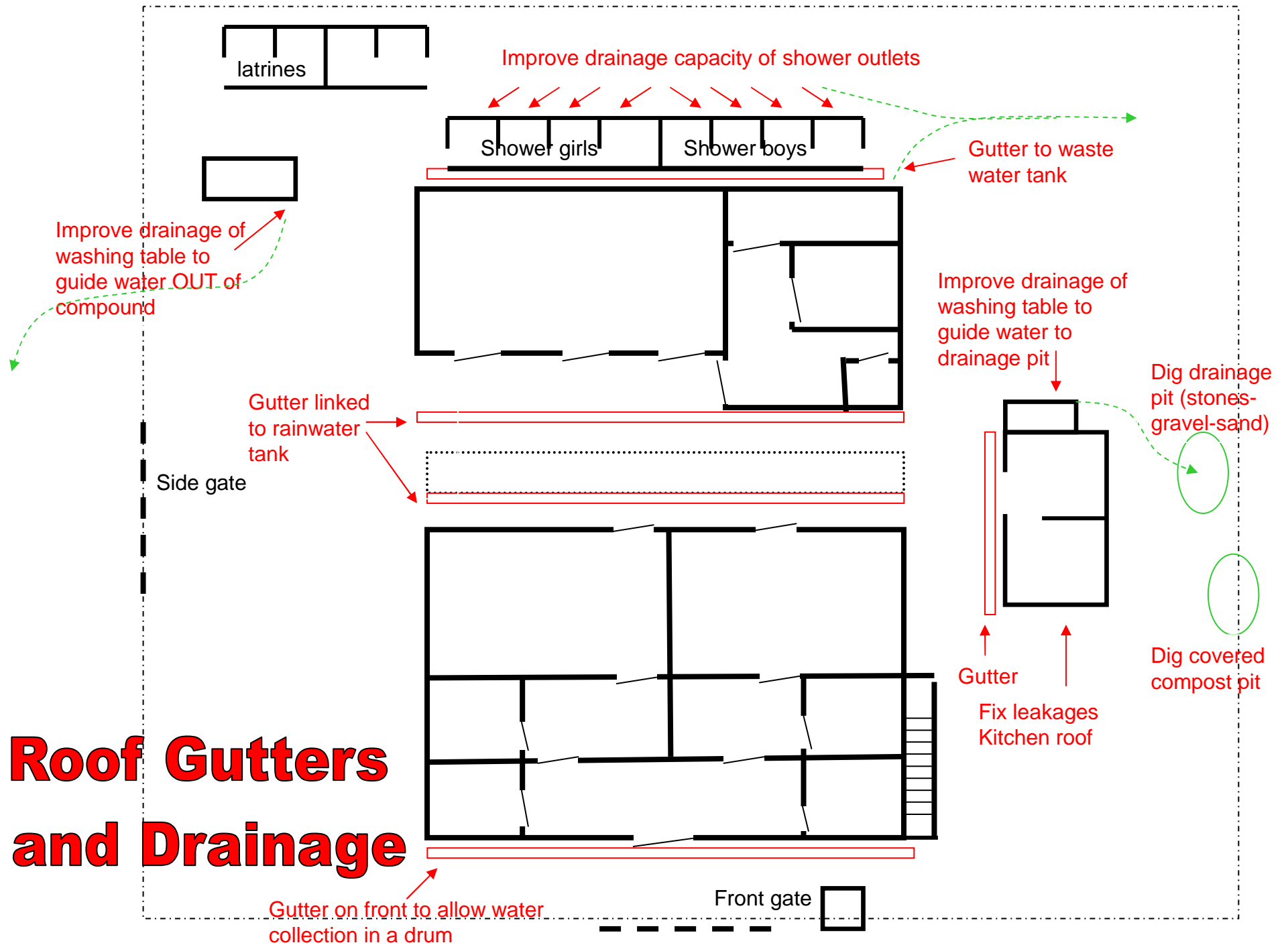
Add one set of stairs and leave other stairs

Cement the levels into inclines for handicap (with non-slip ribs)



Cement a path between kitchen and large building, leading to dining room





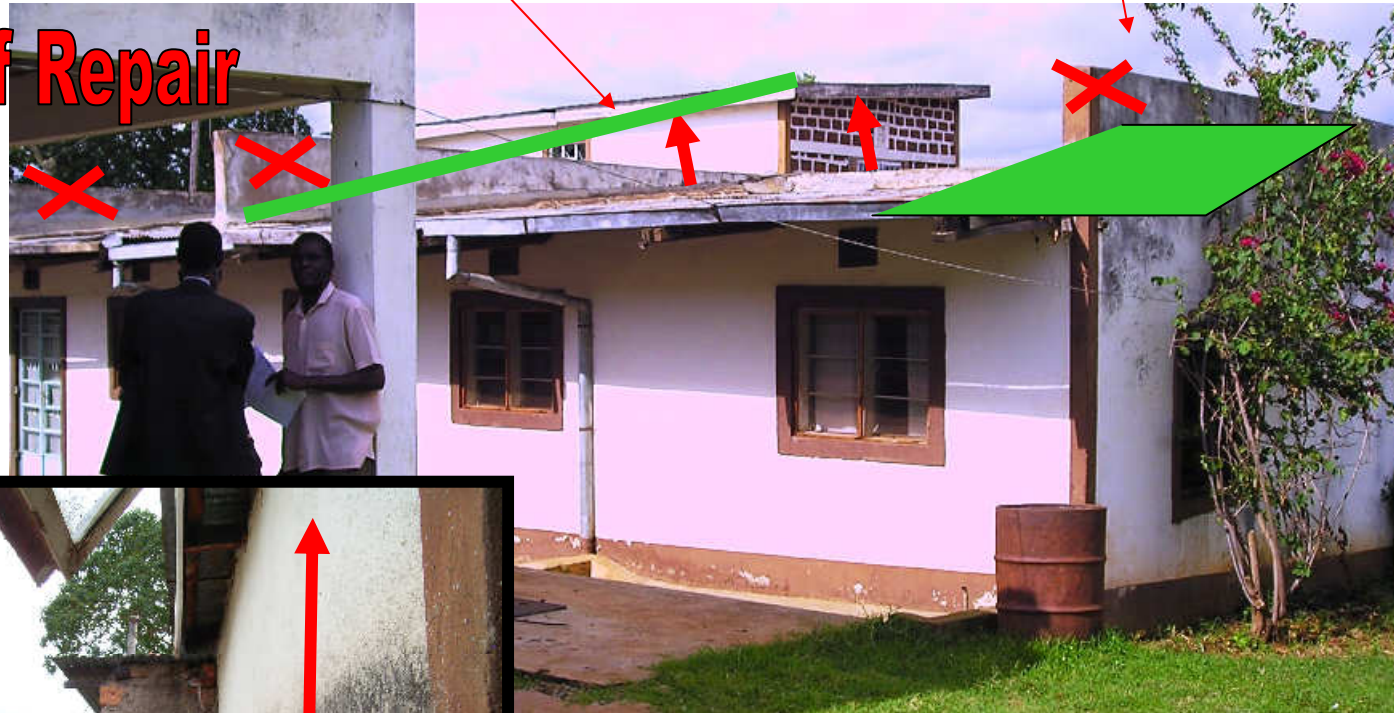
# Roof Gutters and Drainage

Increase the slope of the roof to allow easy water flow. If needed remove the window in the upper building. Check all roofs on the large building.

Remove the side wall and allow the roof to be wider than the building for at least ½ meter (on both sides).

## Roof Slope increase

## and Roof Repair



### ROOFS of LARGER BUILDING

- 1) Roof inclination should be largely increased
- 2) Make roof wider than the building (remove those walls)
- 3) Change the metal sheets and the ceilings

## **Other Repairs (to be given to the fundi who will do the budget estimate)**

### **WINDOWS:**

- Repair all windows on the LARGE building and replace where necessary
- Put wire mesh AND mosquito mesh on ALL windows where it is not yet done (!!!! MOSQUITO MESH should be in ONE piece, do not join pieces on the same window) (including inside window between Room 3 and 5). Only the grills of the veranda should not have mosquito mesh
- Kitchen windows covered with wooden windows for rain and wind

### **DOORS**

- 1) Put doors with aeration grill (to allow air transport) between room 8 and 11 and between Room 9 and 12. Put mosquito mesh on these aerations.
- Repair the glass on the outside doors for Room 8 and 9

### **PAINT**

- Paint the large new room in the smaller building
- Paint all the rooms in the large building
- Kitchen must be painted

### **ELECTRICITY**

- Electricity in the kitchen to be installed
- Check the wiring and electricity in the large building to allow light in each room and check for safety of wiring.

### **HYGIENE and SAFETY**

- Kitchen fireplace to be improved (not by fundi, ask Ababu)
- Clean waste heap behind the kitchen and dig a **good** covered waste pit / compost pit
- Level all the holes and level differences in the compounds (flowerbeds, etc.)