

Assignment – Box diagram

Construction of a single-family house



Activity list



"The process of building a single family house"

Translate (if needed) into Chinese the following activities (technical words/terms) related to the construction of a single-family house:

1. Roof tiles
2. Wall ties (brick ties)
3. External wall, inner leaf
4. External wall, outer leaf
5. Excavation of soil
6. Roof construction including insulation
7. External Doors
8. Ground floor slab
9. Foundation
10. Ceiling
11. Arrange the garden outside
12. Wall insulation
13. Air conditioning
14. Mortar rendering (internal)
15. Wall paint (internal)
16. Ground floor insulation
17. Windows
18. Ceiling paint
19. Flooring
20. Partition walls

TASK: Place the **activities in a correct order** (box diagram) in a way the building should be built - what comes first, what comes next etc.

Note that the **activities are not numbered in the correct order!**

Boxes



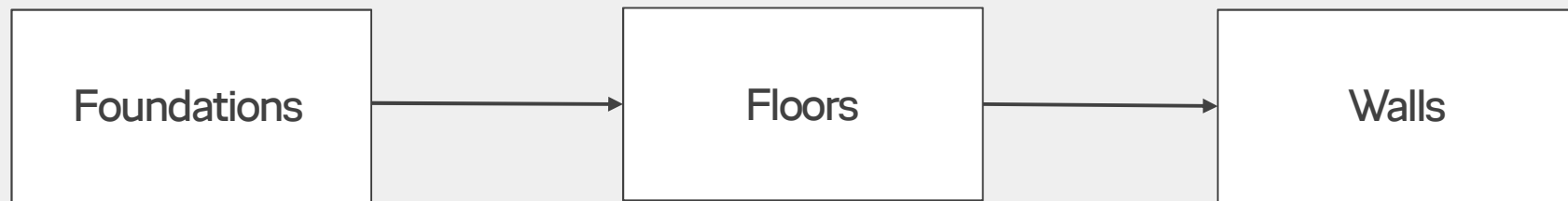
The activities are now inserted in boxes.

<i>Roof tiles</i>	<i>Inner leaf</i>	<i>Roof construction</i>	<i>Wall insulation</i>	<i>Ground floor insulation</i>
<i>Wall ties</i>	<i>Outer leaf</i>	<i>Ceiling</i>	<i>Air conditioning</i>	<i>Ceiling paint</i>
<i>Excavation</i>	<i>Foundations</i>	<i>Ground floor slab</i>	<i>Rendering</i>	<i>Flooring</i>
<i>Windows</i>	<i>External Doors</i>	<i>Garden</i>	<i>Wall paint</i>	<i>Partition walls</i>

Box diagram



Create a box diagram with **boxes and connection lines** where all the above activities are listed in correct order.



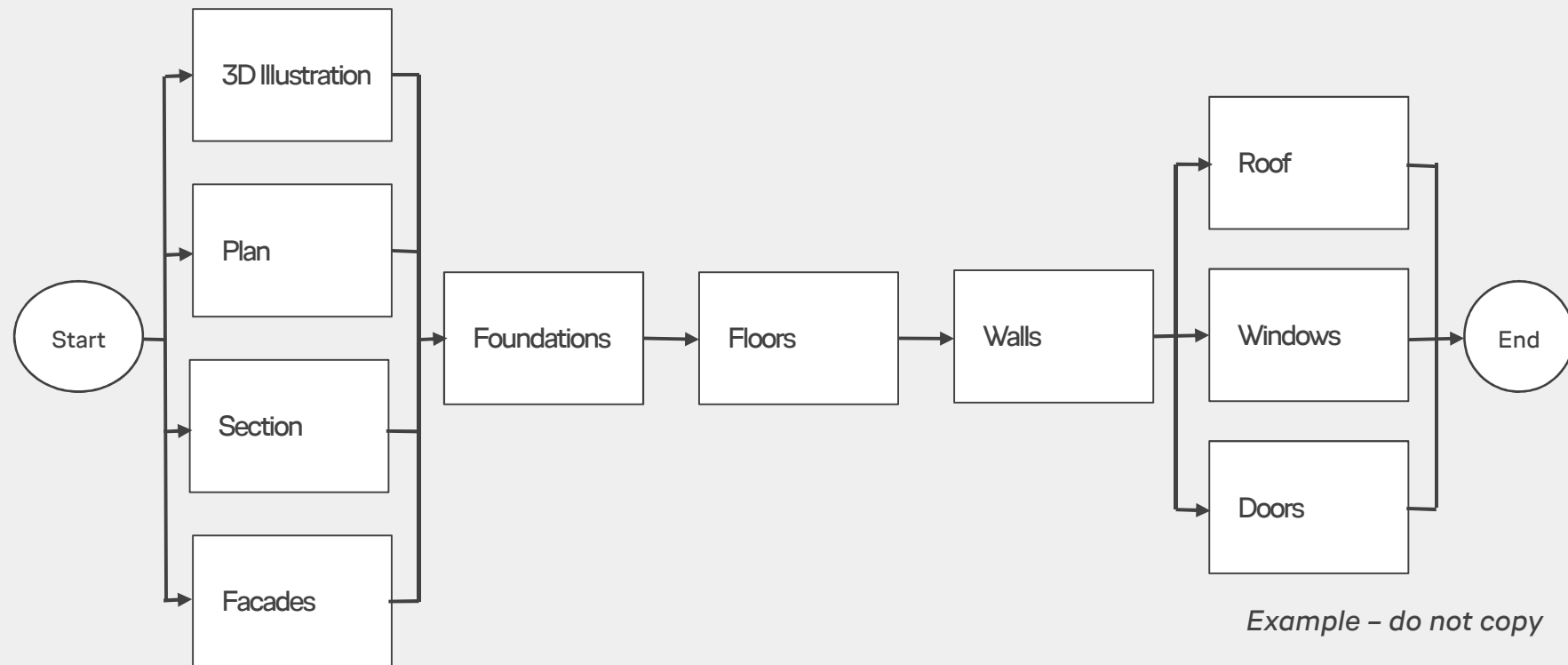
Example - do not copy

Discuss the **process** in your group and **prepare** a **presentation** of your work.

Repetition



This is an **example** of a box diagram - note which **activities depend** on which activities!



Design phase

Construction period

Illustrations

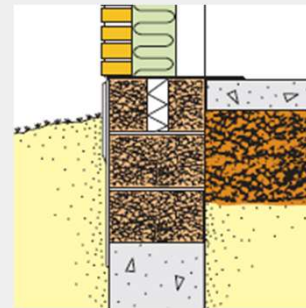


Find drawings or photos that illustrate **each single activity** - that is, the **20** activities in the list.

Foundations



Example of activity / box that fits with illustrations.



Important



Working procedure:

Group work.

Submitting procedure:

A part of the exam project.

The assignment:

- Make a **box diagram** from the 20 activities.
- Find photos / drawing which **illustrate every single activity**.
- Put your work **in the PowerPoint for exam**.