



RE APPLIED PHYSICS

63%

A large amount of components in the building, especially the structure, can stay in place.

Some components can't directly be reused in the building and will therefore be repaired and put in a temporary storage close to the building. To repair, or modify these components some new materials are needed.

15%

Due to damages or hazardous substances, some components will no longer have a purpose in the building. If other R-strategies are not applicable, the components will be recycled. The materials obtained by recycling are preferably used in the transformation of this building.

13%

5%

Components that can be reused will be taken out of the building before the transformation. They will be stored in a temporary storage close to the building. Some of the more vulnerable components can be stored in one part of the building, while the transformation of another part is taking place reducing the risk of damage.

4%

There are components that are not usable with the same purpose in the building. These will be repurposed in another way. Similar to the Repair strategy, these modifications to repurpose the components require new materials.

Besides using the existing components, transformation of the building will also require new materials. Insulation is an example of a material that will be introduced to the building during the transformation. To be able to use some of the R-strategies, new materials are needed.

Some components can't be prepared for construction on site. Thus they will be transported to a facility where they can be repaired, repurposed or recycled.

REFUSE

The component won't be altered, moved or demolished and keeps its current purpose.

REUSE

The component won't be altered or demolished, but moves to another place in the building to serve the same purpose there.

REPAIR

The component won't be demolished, but will be altered to serve its same purpose according to today's standards in either its original place, or somewhere else in the building.

REPURPOSE

The component won't be demolished, but will be altered to serve another purpose according to today's standards.

RECYCLE

The component will be demolished or disassembled to use the retrieved materials to create new components preferably in the same building.

- ST STRUCTURE
- IW INTERIOR WALLS
- DO DOORS
- CC CORRIDOR CLOSETS
- SA SANITARY
- WS WINDOWSILLS
- BP BRICK AND PORISO WALL
- NP NATURAL STONE PANELS
- BW BRICK WALL
- CP CONCRETE PANELS
- CE CEILING PANELS
- LI LIGHTING
- FL FLOORS
- WI WINDOWS