

## REDUCE

Can the building in its whole be conserved on site?

## REDUCE

Is the building transformable and adaptable to the new needs wanted for the project? Is it possible to incorporate new features like staircases and lifts?

## REDUCE

Does the building need minor repairs, a complete restructuring or nothing is possible and it has to be demolished?

## REDUCE

If there is some surface missing, is the plot big enough to add a new construction next to the existing one or is the structure strong enough to add elements on top of the building?

## REDUCE

Is the building structurally safe to be reused? If not, is it possible to renovate the building in order to strengthen the structure and continue using it?

## REDUCE

Are the building services, envelope and other features safe to be reused or do they need to be replaced?

## REDUCE

Is it more costly to reuse the building on site and transform it than to build a totally new construction?

## REDUCE

Is the building outdated or outmoded?  
How is it aesthetically considered  
by the public in its whole? How is it  
possible to make it more appealing to  
the community?

## REUSE

Can the individual building components and materials be dismantled and reused?

## REUSE

Was the building built before 1980,  
making it more probable that some  
materials are contaminated by  
lead paint or asbestos?

*Everything that contains asbestos  
can not be reused*

## REUSE

Have the items, suspected of contamination, been tested?

*Specialised firms will have to be contacted.  
Some tests, for example for lead paint can be done personally*

## REUSE

What precautions should be taken depending on the discovered hazardous materials?

*Contact professionals to dispose of the contaminated items*

## REUSE

Are the fixings between the elements easily accessible and there enough space around the fixings to work with the appropriate tools without damaging surrounding building components?

## REUSE

Do the appropriate tools for dismantling without damaging the elements exist? If not, are there possible alternatives?

*Maybe different ways will have to be tested before finding an acceptable one.*

## REUSE

Once dismantled, what kind of the refurbishment, cleaning or repair will the elements probably need to allow them to be reused?

## REUSE

Are there major damages or deteriorations to the elements present before the deconstruction? Such as cracking on the bricks, rot on the wood, broken window, major water or fire damage, etc.?

*Too damaged elements can probably not be reused*

## REUSE

Does the element need some specific tests to verify its mechanical properties or measure its life expectancy?

*If they do not meet the standards, maybe they can still be used for a less demanding purpose*

## REUSE

Are there standards or regulations that make the element impossible to reuse?  
Is it possible to find a new use for these elements, bypassing the rules and overcoming this barrier?

## REUSE

Are there some components that present a heritage or patrimonial value or are there valuable, unique items on the site?

*This probably needs a discussion with a historian or an antiquarian*

## REUSE

Will the element be aesthetically pleasing to the public and so find interested buyers? Would I use the component in one of my projects?

## REUSE

How expensive will it be to recover the elements? Is it more expensive than demolition?

*Approximate costs can be calculated to compare both*

## REUSE

What will the value of the element  
back on the market be?

*If it is more expensive than the same but new,  
it will probably be seen as uninteresting.*

## REUSE

In which order should the elements be stripped off from the structure to make sure that the recovered elements stay intact?

## REUSE

How much time is given to the deconstruction? Is the time constraint enough to be able to recover the needed elements?

## REUSE

Is there enough space on the plot to bring the necessary tools and installations for the deconstruction?

## REUSE

Where will the elements go when dismantled and how will they be transported? Will they stay on site, go to a salvage yard, to other architects?

*Potential buyers need to be contacted*

## REUSE

If the salvaged building components and materials are reused *in situ*, is there a enough space on the plot to store them?

## RECYCLE

Can the elements be crushed  
or transformed in order to  
produce new products?

## RECYCLE

Are the elements contaminated  
by other materials, making  
recycling impossible?

## RECYCLE

Where are the closest recycling facilities around the demolition site?

What from what is left as non reusable can go there?

## RECYCLE

Can the deteriorates or damaged elements be recycled?

## RECYCLE

Can the materials or building components made from different materialities be separated in order to be recycled separately?

## RECYCLE

Are there firms close to the demolition site that can recycle hazardous materials?

## RECYCLE

Is it possible to recycle some elements on the site instead of bringing them to recycling facilities?