A SLIGHTLY INSANE ATTEMPT AT RE-APPROPRIATING VACANT BUILDINGS THROUGH METHODS OF UNMITIGATED ABSURDITY, IDIOCY AND EFFORT

# **A RE-APPROPRIATION GUIDE**

Note: Most of the following proposals are illegal. This guide is in no way encouraging those actions but making Knowedge available in order to balance today's social power relations The day is comed by the people who live and dwell within it

In the face of the issue of empty buildings, the following guide will give six different re-appropriation techniques, allowing anyone to reclaim absurd private property. The following techniques are presented in an order of increasing complexity. If one proves to be impossible in a given context, the next one might do the trick. For each step by step guide, six labels will inform you about its price, the amount of people and the time needed for its execution, its accessibility for specially abled or blind people as well as the possibility to undertake those actions with children.

# HOW TO ASK THE OWNER?

Before diving into physical methods of getting into closed empty buildings, we will take a look at the least effort intensive solution: asking the owner. In most cases, this technique will fail but it can be worth trying. In big cities, finding the owner can be really difficult. Two options are available: looking for a way of contacting the owner on the internet, or taping a letter on the front door. In both cases, you should present your intentions in a clear way, insisting on the fact that the ambition is not to damage but only to temporarily use.

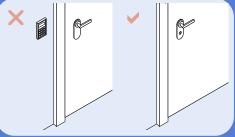
If you tried but the answer is negative, try the next method  $\blacktriangleright p.2$ 

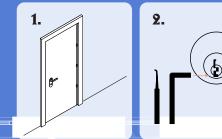
# HOW TO PICK A LOCK?

Sadly, the owner is not open to discussion. Hence, we will open the building ourselves. Picking the lock of the front door is a non-destructive method, it takes advantage of the knowledge of lock mechanisms. By using simple tools, it is possible to open the door, mimicking the key by moving the pins while applying pressure on the cylinder.

This method can only be applied to basic locks. If you are facing a complex lock or a digital password lock, try next method  $\blacktriangleright$   $\rho$ .3







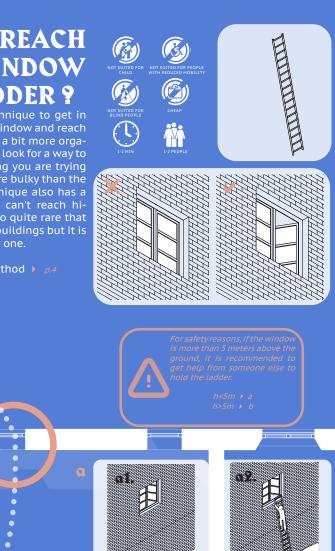


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## HOW TO REACH **ANOPEN WINDOW** WITH A LADDER ?

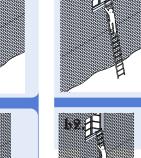
Another non-destructive technique to get in could be to locate an open window and reach it with a ladder. This requires a bit more organization because you have to look for a way to bring a ladded to the building you are trying to get access to, which is more bulky than the lock picking tools. This technique also has a limitation: common ladders can't reach higher than 18 meters. It is also guite rare that a window is open in unused buildings but it is worth keeping an eye out for one.

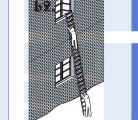
If none are open, try next method **)** *p.4* 



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# HOW TO OPEN A **CLOSED WINDOW ?**

None of the windows are open?! The last solution before exploring some more labour intensive methods, is to break in. Unlike last proposals, this one is destructive and compromises the integrity of the thermal insulation of the building.

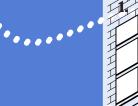
If you don't want to break a window but you have time and resources, try this method:



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# HOW TO DIG A TUNNEL ?

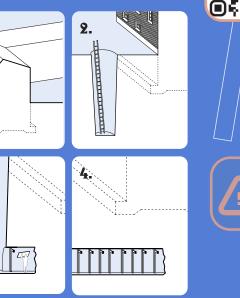
Moving on to more energy intensive methods, you could also try to dig a tunnel to access an interior courtyard, if the building you are trying to enter has one of course.

This is a huge effort, but it can be really effective. For detailed considerations on how to go about the digging, read the article that the QR-code below links to.

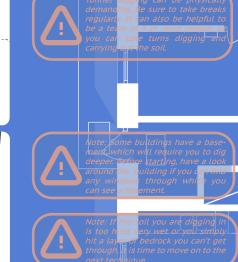
This method also requires a lot of gear, and you need to be a team of at least 2 people to prepare this kind of intervention.

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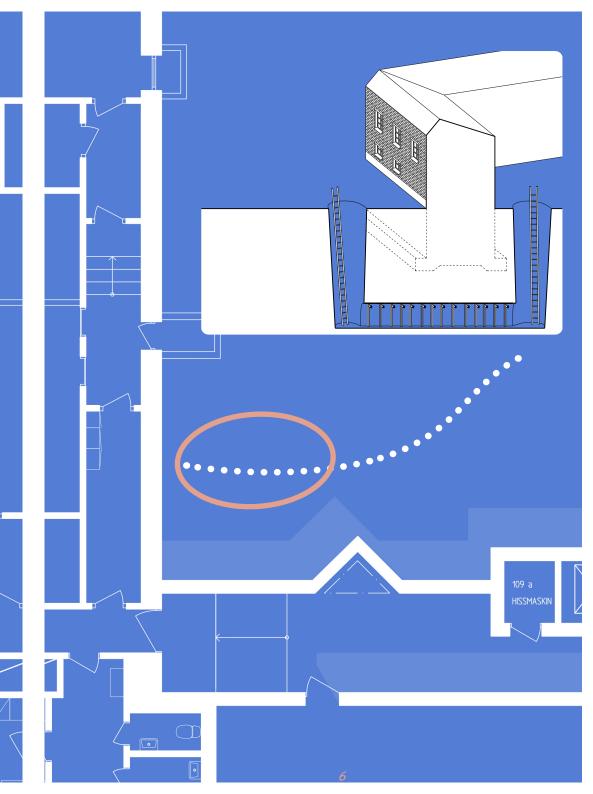


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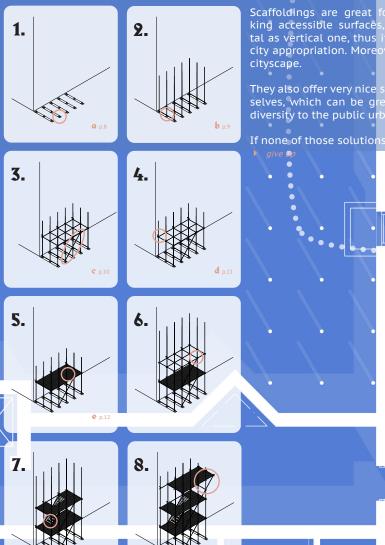
2+ PEOPLE



# HOW TO BUILD A **SCAFFOLDING?**

Giving up on digging our way through underneath the building leaves us only one solution: Going over it. This method is the only one requiring material addition.

For execution convenience, this part of the guide will give you all the basic principles for building a tube and coupler scaffolding that will serve as a bridge to go over the building.



Scaffoldings are great for temporarily m king accessible surfaces, as much horizontal as vertical one, thus it is a great tool f city appropriation. Moreover it blends in the

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They also offer very nice spaces within themselves, which can be great places that add diversity to the public urban fabric.

If none of those solutions are possible

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### a. How to ground a scaffolding?

First things first, we will start with scaffolding feet. This step is crucial for the scaffolding's structural integrity, thus take your time. When building on soft and sloped surfaces, a plank is needed below the feet to spread the load. When building on a slope, scaffolding feet allow you to adjust the height of the first tubes in order for them to all start at the same level.



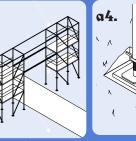








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### **b.** How to join two tubes with couplers?

One of the main advantages of tube and coupler scaffolding is that it requires only six main structural elements: tubes and five different types of couplers. The three most important ones are illustrated on this page.

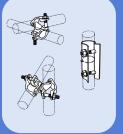
**b**<sup>1</sup>: fixed 90 degrees coupler, mainly used for the main 3D grid

**b**<sup>II</sup>: rotating couplers, mainly used for diago-

**b**<sup>III</sup>: extension couplers, exclusively used for extending tube length

Make sure you fasten the coupler tightly. With those three couplers and tubes, you can build the whole structural grid of your scaffolding!

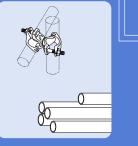
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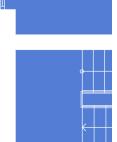




Once you know how to ground a scaffolding and how connections between tubes work. it is time to raise the first tubes. Start by raising vertical tubes, continue by fixing the horizontals with  $\mathbf{B}^{\mathbf{I}}$  couplers. You will end up with a standing 3d grid.

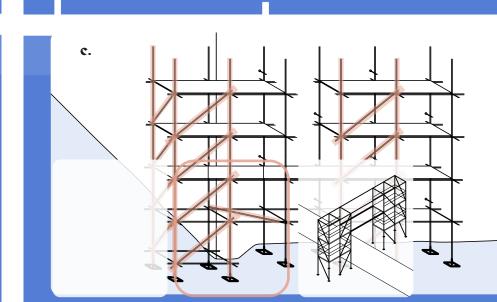
At this stage, the structure can handle vertical forces but not horizontal forces induced sue, diagonals are needed. The amount that will be necessary depends on the scaffolding usage but a minimum of one per four spans in every direction is required. Of course, the more diagonals you add the stiffer the scaffolding will be.

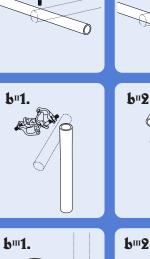


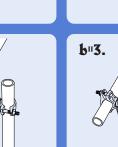




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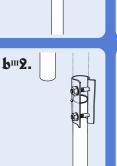


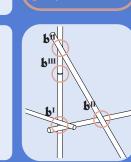
**b**<sup>1</sup>**3**.

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**b**1.







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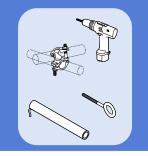
### How to anchor a scaffolding to a facade ?

As soon as you are rising a scaffolding next to a building, it is crucial to anchor it to the façade. By doing so you increase drastically its stability and decrease the amount of dia-gonals needed. This also prevents the scaffolding from falling over away from the façade.

In brick walls, it is prefered to drill holes in between the joints of the bricks. For wooden constructions you should favour structural beams. You can drill anywhere if you are dealing with a concrete wall.

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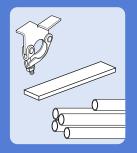
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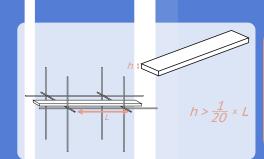


d4.

### e. How to create a scaf. folding planking ?

So far, we went through the construction of the structure. We will now take a look at ways of making it accessible, starting with the planking. Many materials can be used, from simple wooden planks to prefabricated aluminum platforms. For the sake of simplicity, we will focus on reused wooden planks. This basic material has been used for decades before the arrival of aluminum scaffoldings. However, the distance between two scaffolding elements needs to be considered in order to calculate the thickness of the planks used. In order to secure the planks to the scaffolding, a fourth type of coupler is needed.

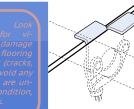


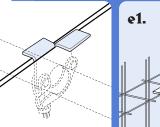


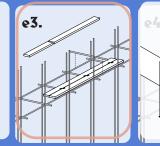
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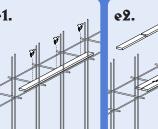
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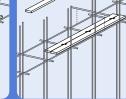


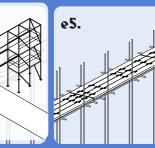










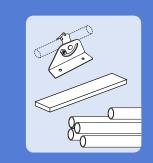


### f. How to build a stairset linking two floors?

Finally, we need to create connections between all the levels using stairs. For this a fifth coupler is needed.

This one will allow us to screw planks to slanted tubes in order to create a stairset. Like for the flooring, the thickness of the planks used for the stair needs to be calculated.

For the calculations, use the same formula as for the flooring (the planks for the stair need to be thicker than 1/20 times the total width of the stairset)



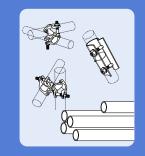
### g. How to build a balcony or a bridge?

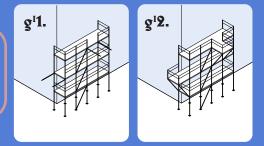
With the 6 previous principles, you will be able to build simple scaffoldings going straight up. However, it may come in handy to know how to extend the structure over a void. For this two solutions:

**g**<sup>I</sup>: Creating a balcony using a cantilever.

**g**<sup>II</sup>: Building a bridge using trusses.

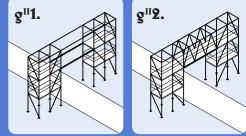
Those two methods are advanced and can require some safety equipement as a harness and rope. Stay safe!

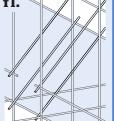


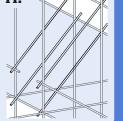


A truss is a structure that consists of members organised into connected triangles so that the overall assembly behaves as a single obiect.

A truss is made up of a web of triangles joined together to enable the even distribution of weight and the handling of changing tension and compression without bending or shearing. The optimal angle for each diagonals is between 45° and 60°.

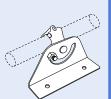




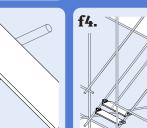




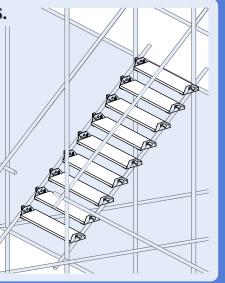
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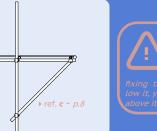


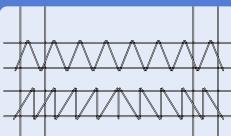














So there you have a little taste of how one could gain access to an empty building. Of course this is by no means an exhaustive guide, there is an infinite number of ways to do this.

Now that you have all this knowledge, next time you see an empty building: Let your imagination run wild, dream what could be!