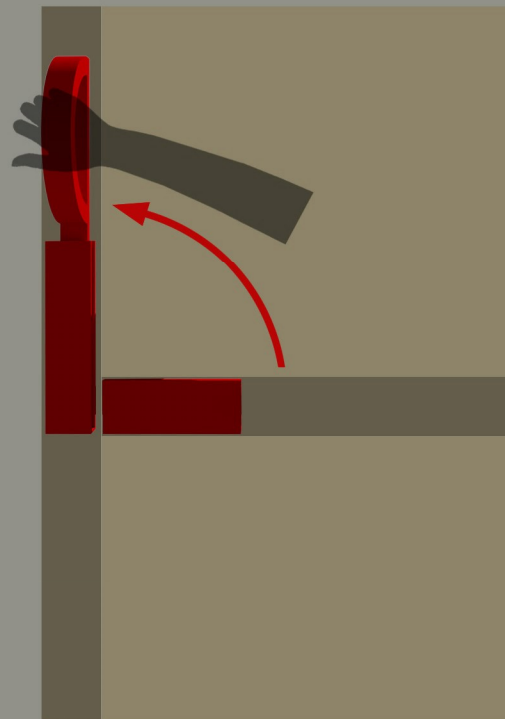
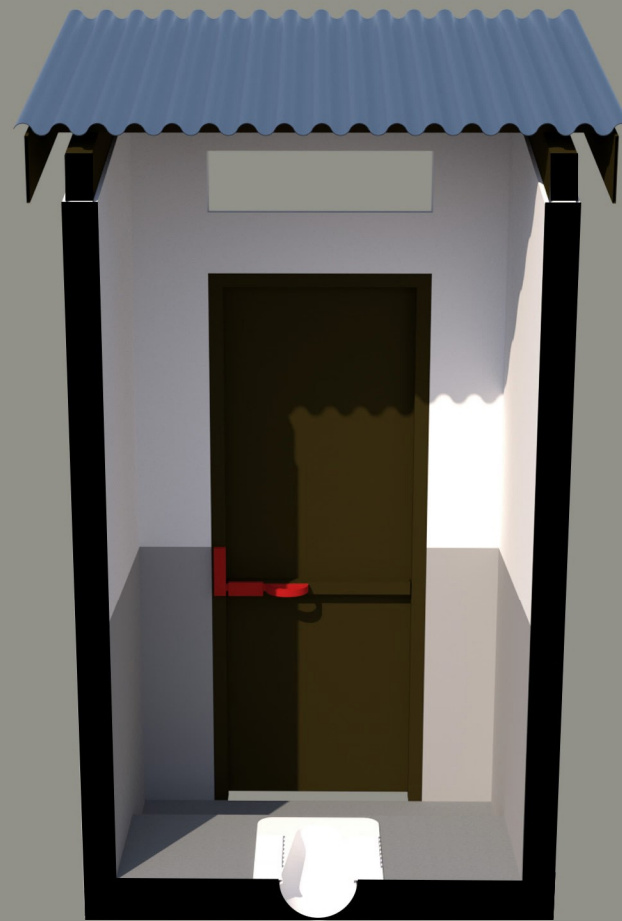
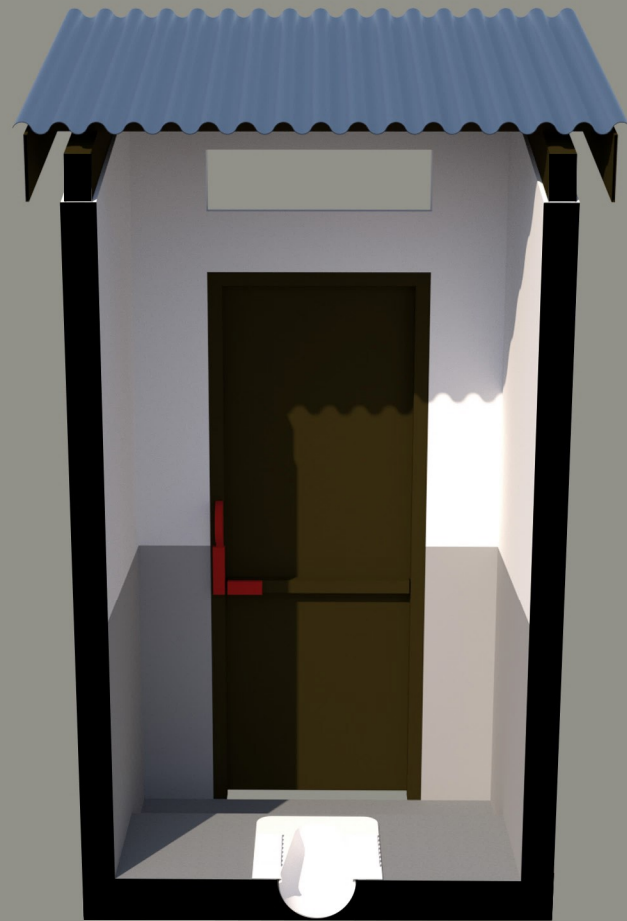
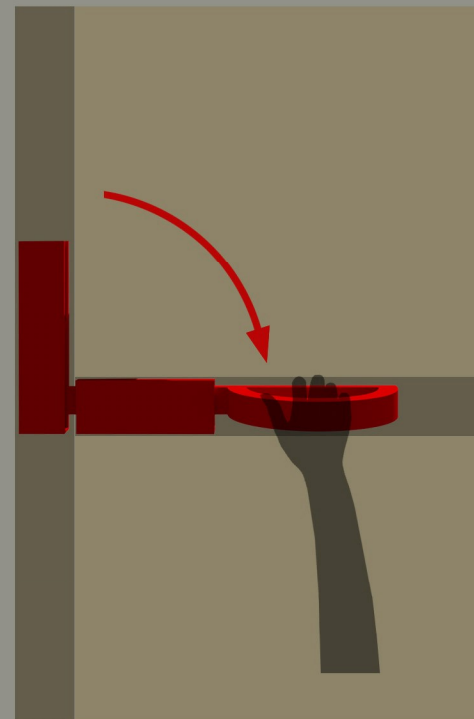


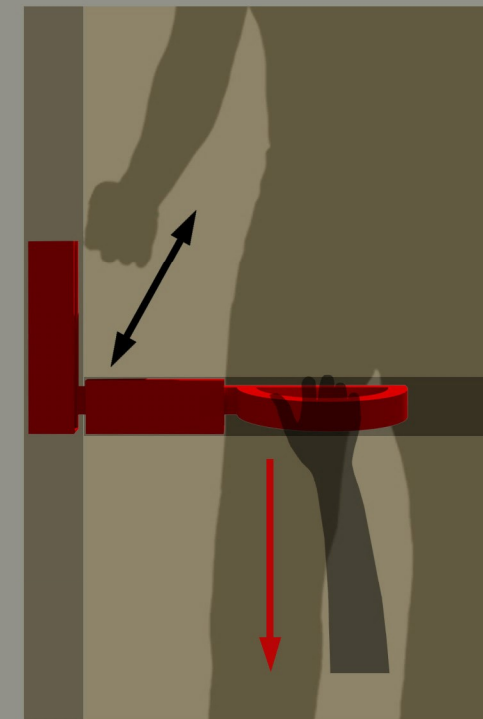
em **P**owering women
Protective lock + the light is **On** + switch **On** the alarm



unlock



lock

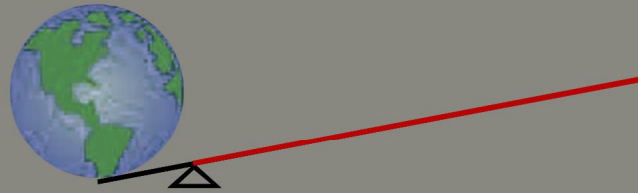


press down & hold
to secure the door
from being opened
by the intruder

Protective lock

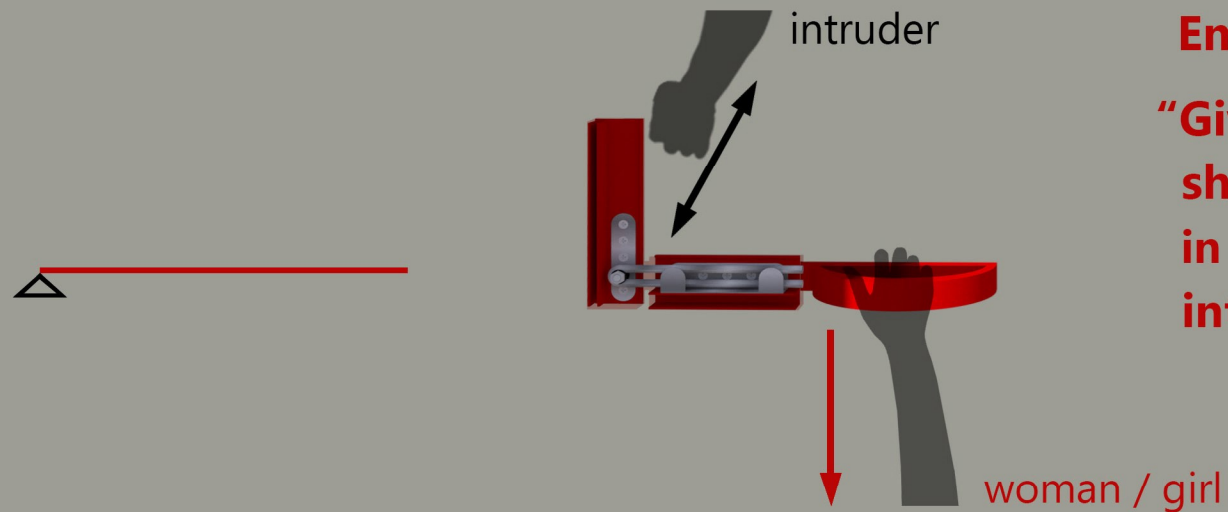
empowering women

Protective lock + the light is on + switch on the alarm



"Give me a lever long enough and a fulcrum on which to place it, and I shall move the world."

~ Archimedes (Greek Philosopher)

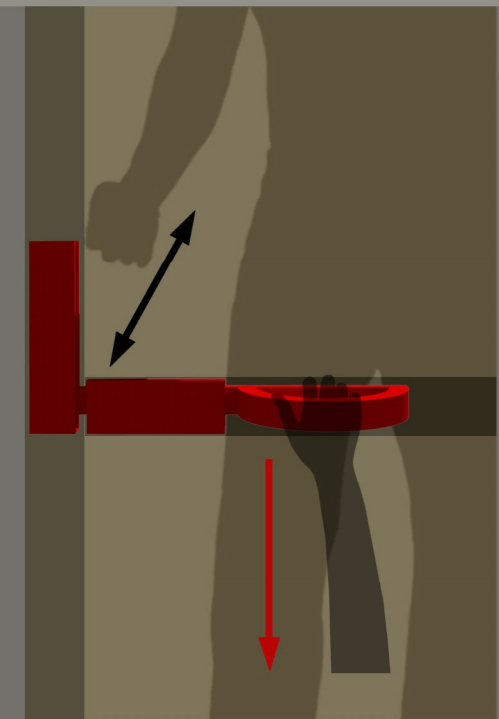
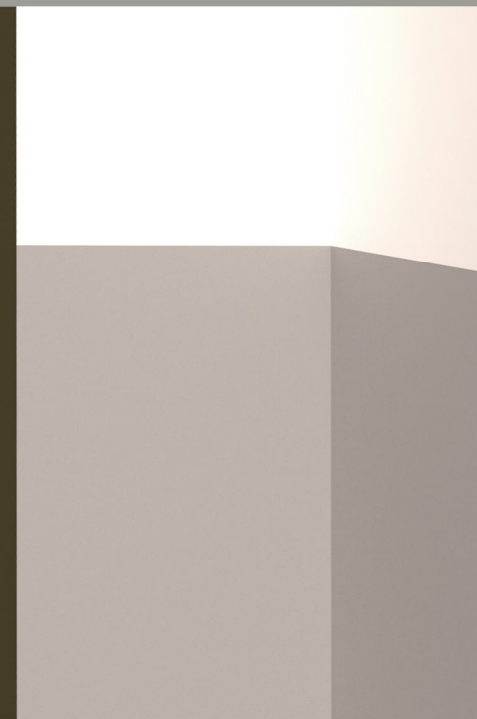


Empowering women & girls

"Give her a lever long enough and she will be able to hold the lock in place and keep herself safe from intruder forcing open the door."

~ Designer

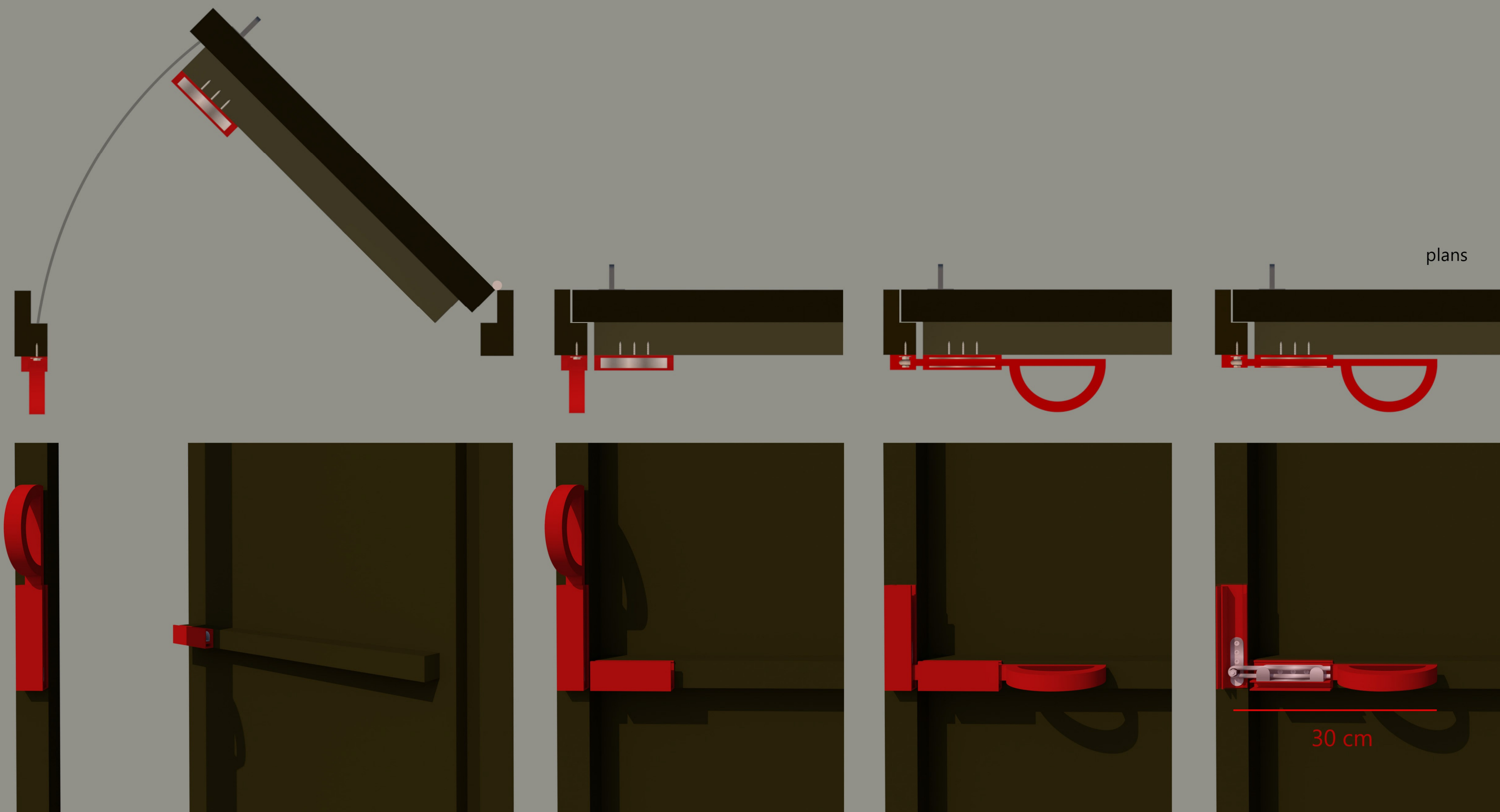
Protective lock



press down & hold to secure the door from being opened by the intruder

em Powering women

Protective lock + the light is On + switch On the alarm



Protective lock

door is opened

door is not locked

door is locked

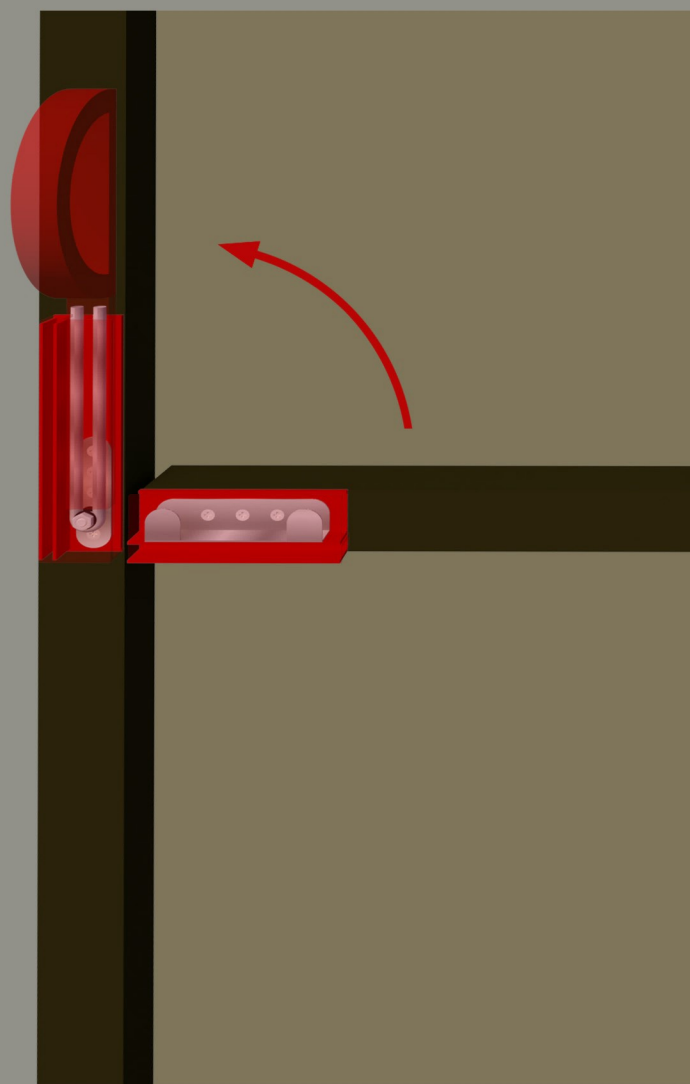
lever is long & strong

3D views / elevations

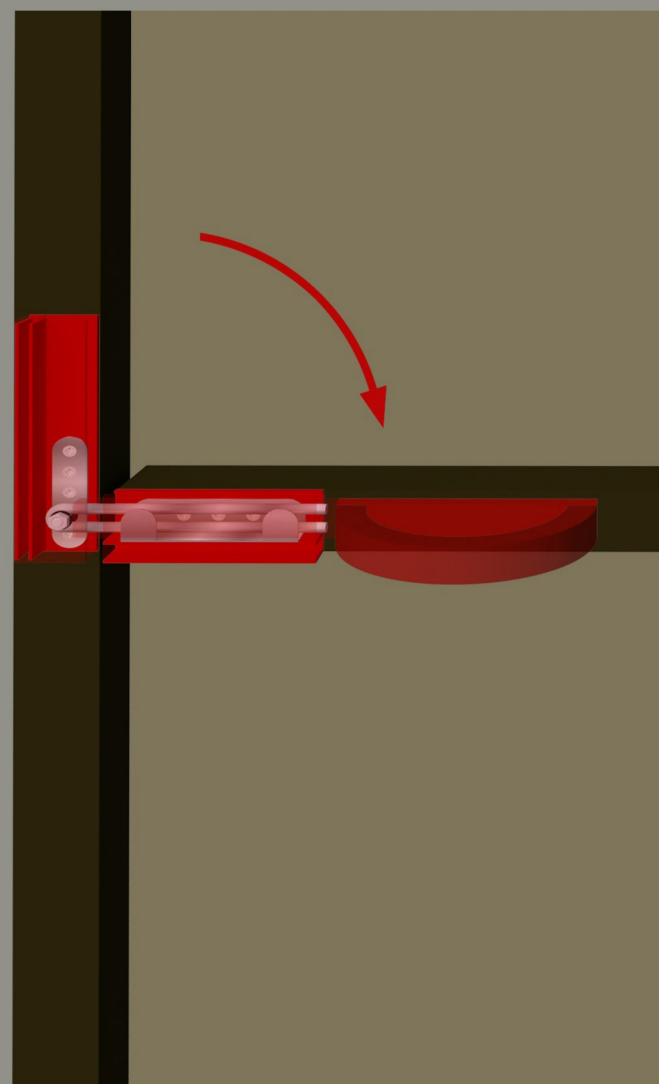
em **P**owering women

Protective lock + the light is **On** + switch **On** the alarm

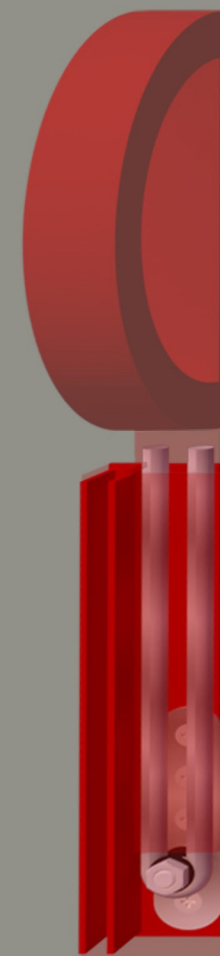
Protective lock



unlock

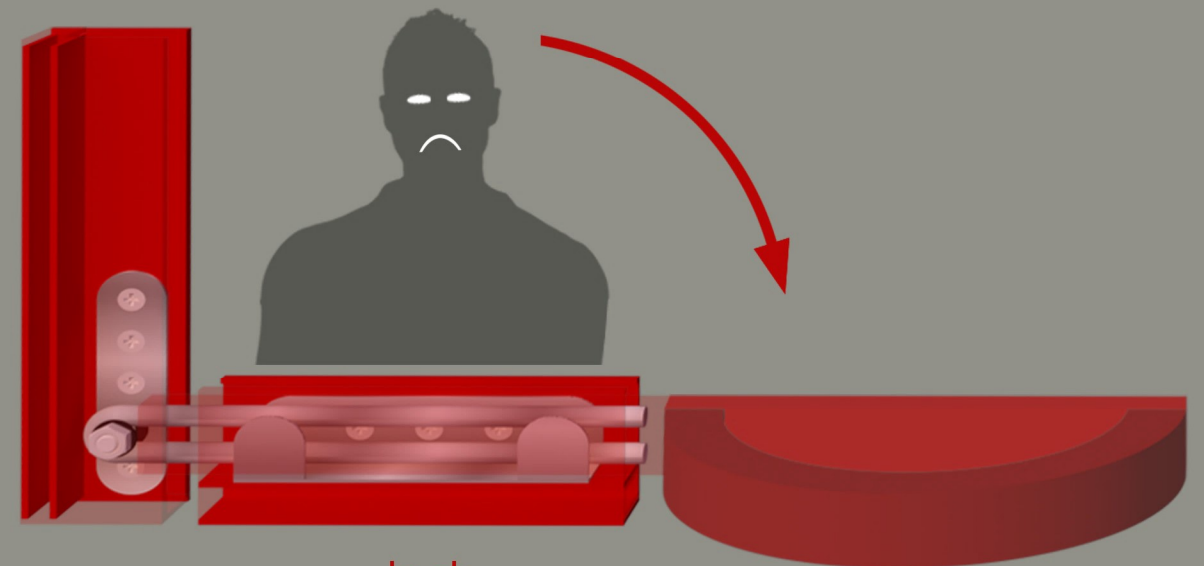


lock



The safety and dignity of women and girls could be hinging on a lock, literally speaking.

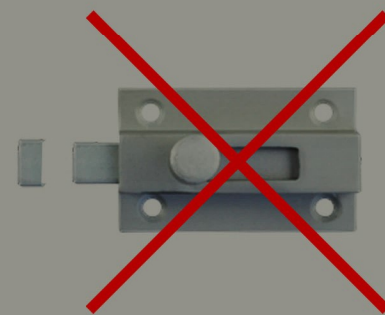
unlock



lock

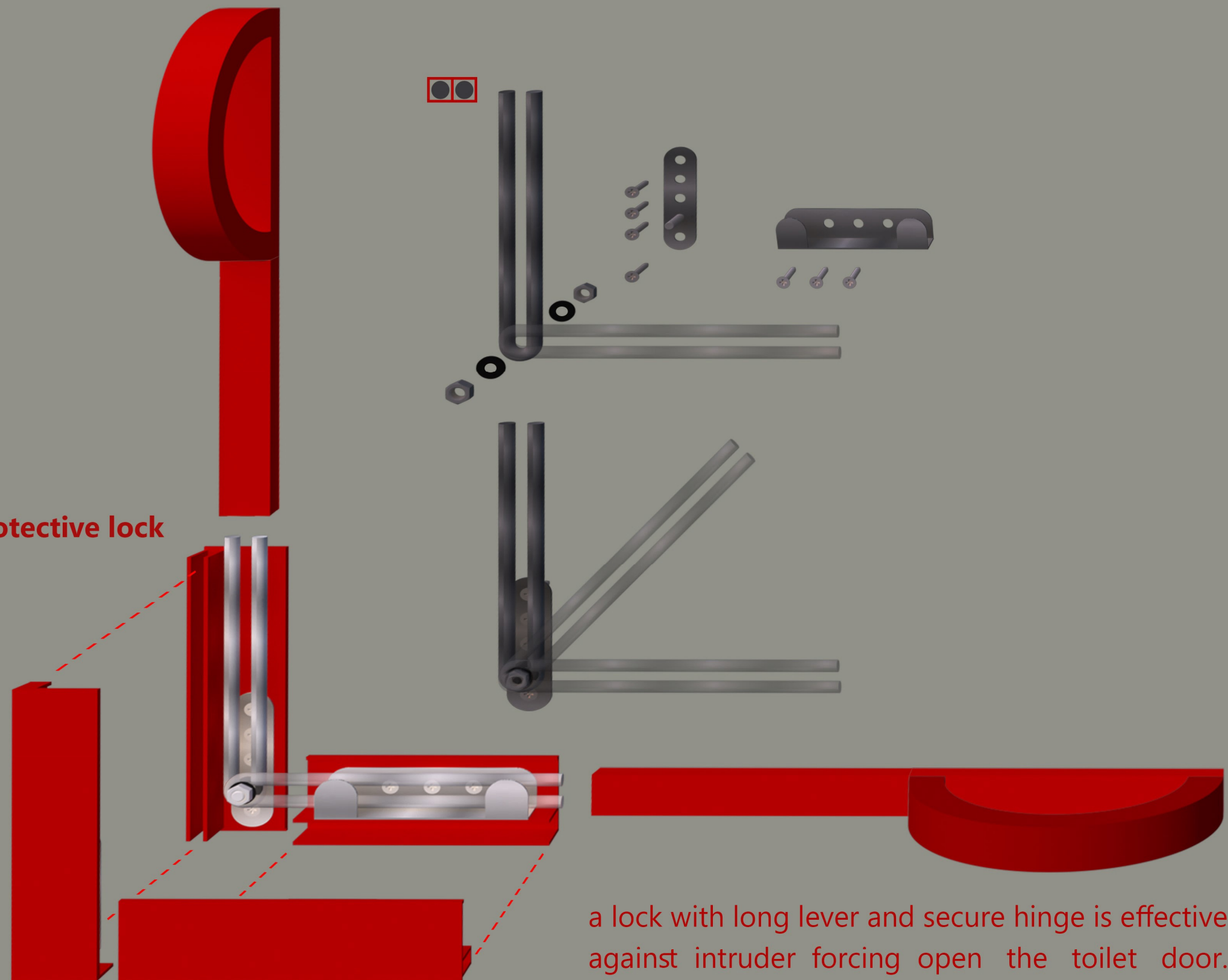
em **P**owering women

Protective lock + the light is **On** + switch **On** the alarm



small lock will not work
against intruder forcing
open the toilet door.

Protective lock

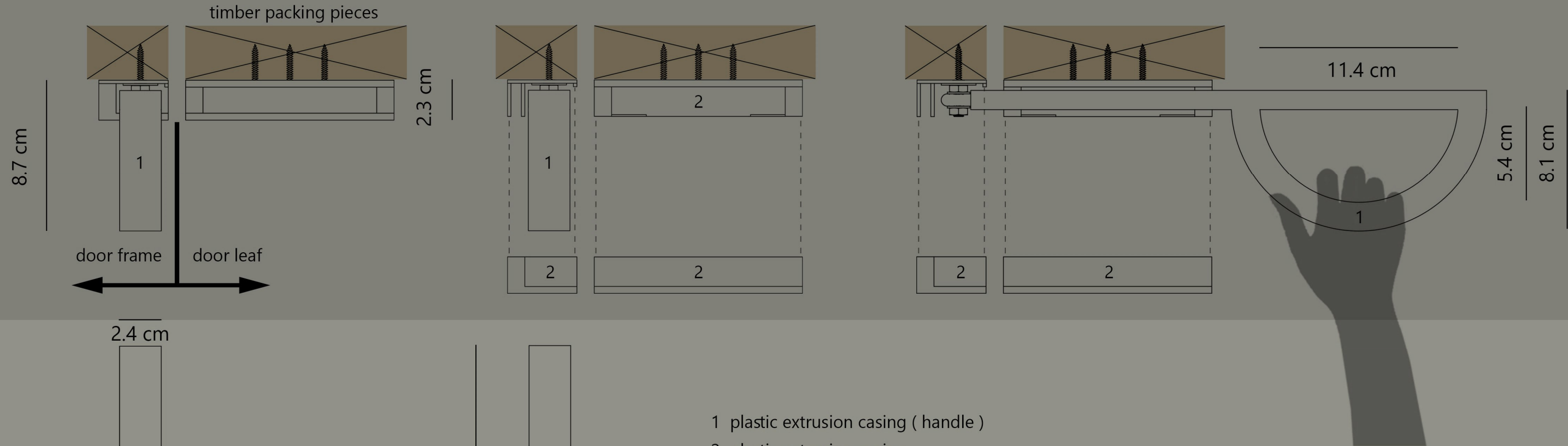


a lock with long lever and secure hinge is effective
against intruder forcing open the toilet door.
size does matter in this instance.

em **P**owering women

Protective lock + the light is **On** + switch **On** the alarm

plans



- 1 plastic extrusion casing (handle)
- 2 plastic extrusion casing
- 3 stainless steel lever inserted into plastic extrusion casing (handle)
- 4 stainless steel parts

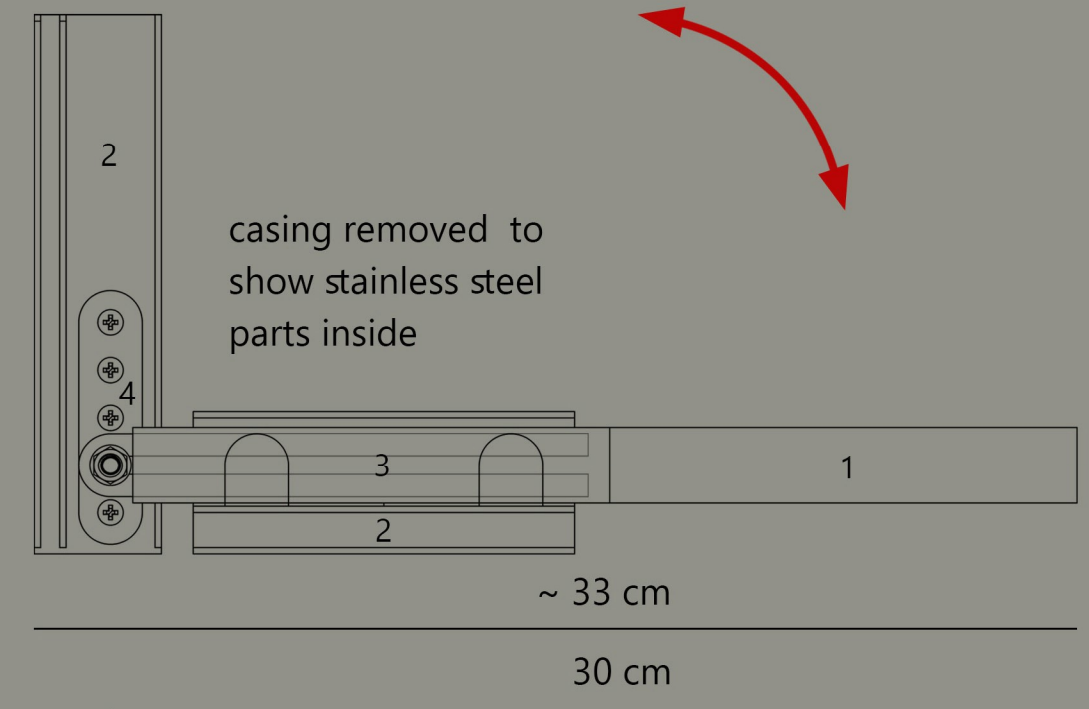
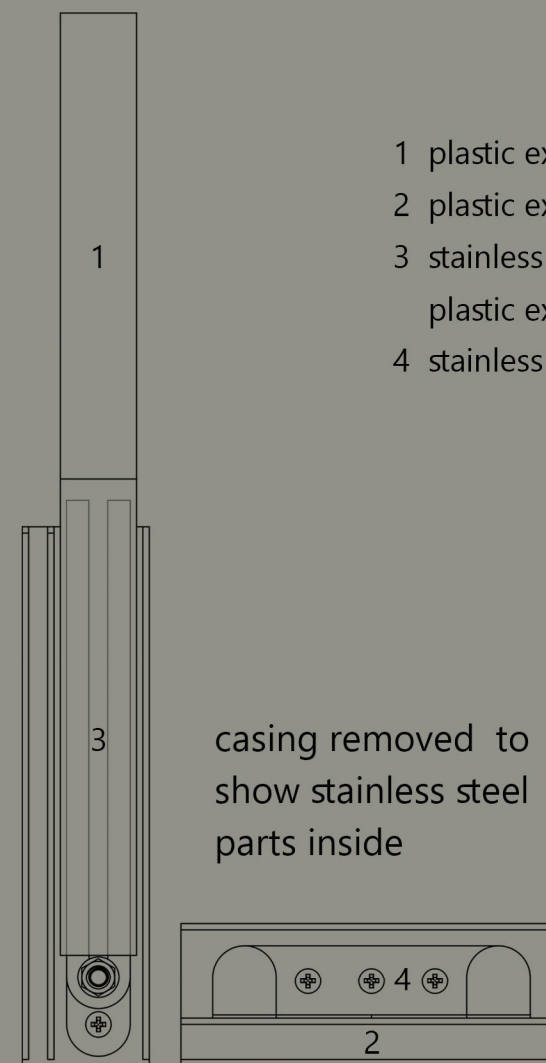
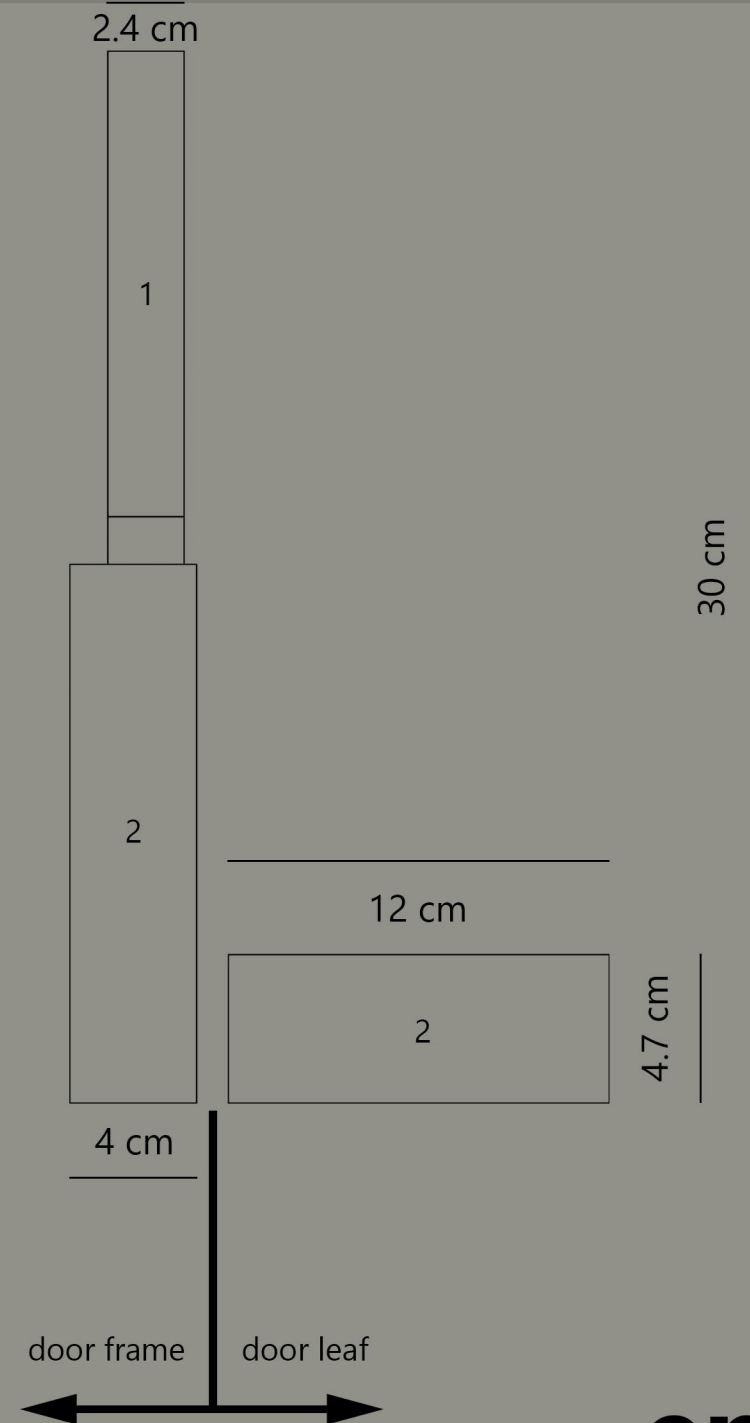
casing removed to
show stainless steel
parts inside

casing removed to
show stainless steel
parts inside

~ 33 cm

30 cm

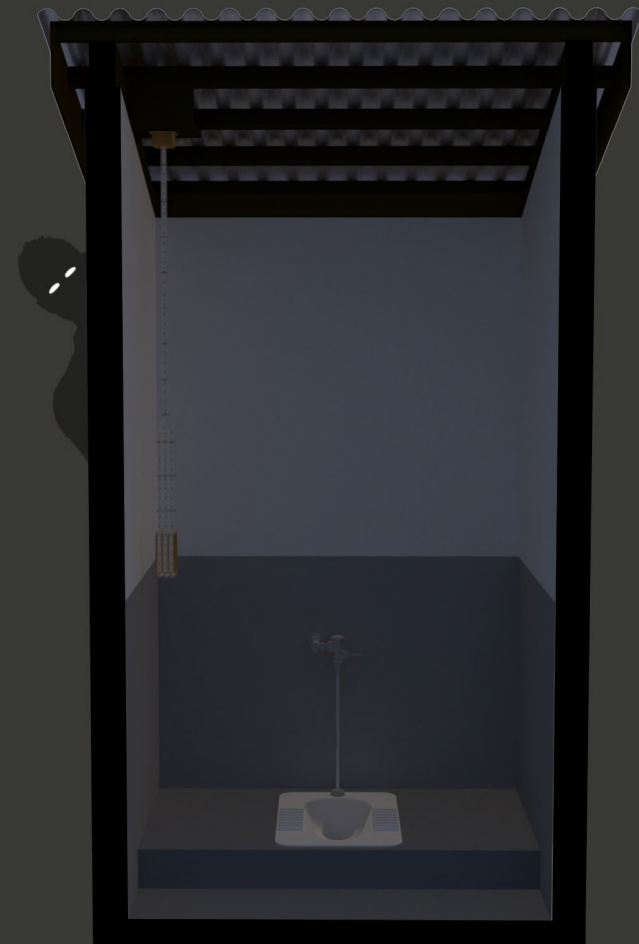
elevations



em **P**owering women

Protective lock + the light is on + switch on the alarm

the light is On



no light = no sense of security.
potential danger is looming



the light is On automatically when
the motion sensor senses people
in the toilet cubicle



the light intensity can be adjusted
via a dimmer on the light to suit
different needs

em **P**owering women

Protective lock + the light is On + switch On the alarm

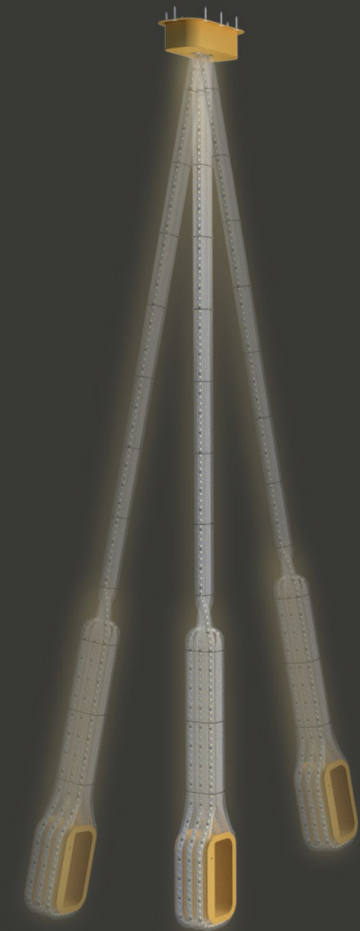
the light is On



the light is also designed as
an emergency signaling device
to fence off intruders



by swinging the light (like a pendulum),
a swinging lighting effect can be created



the swinging lighting effect as an
emergency signal calling for help

em **P**owering women

Protective lock + the light is On + switch On the alarm

the light is On



intruder is approaching



grab the O-shaped ring



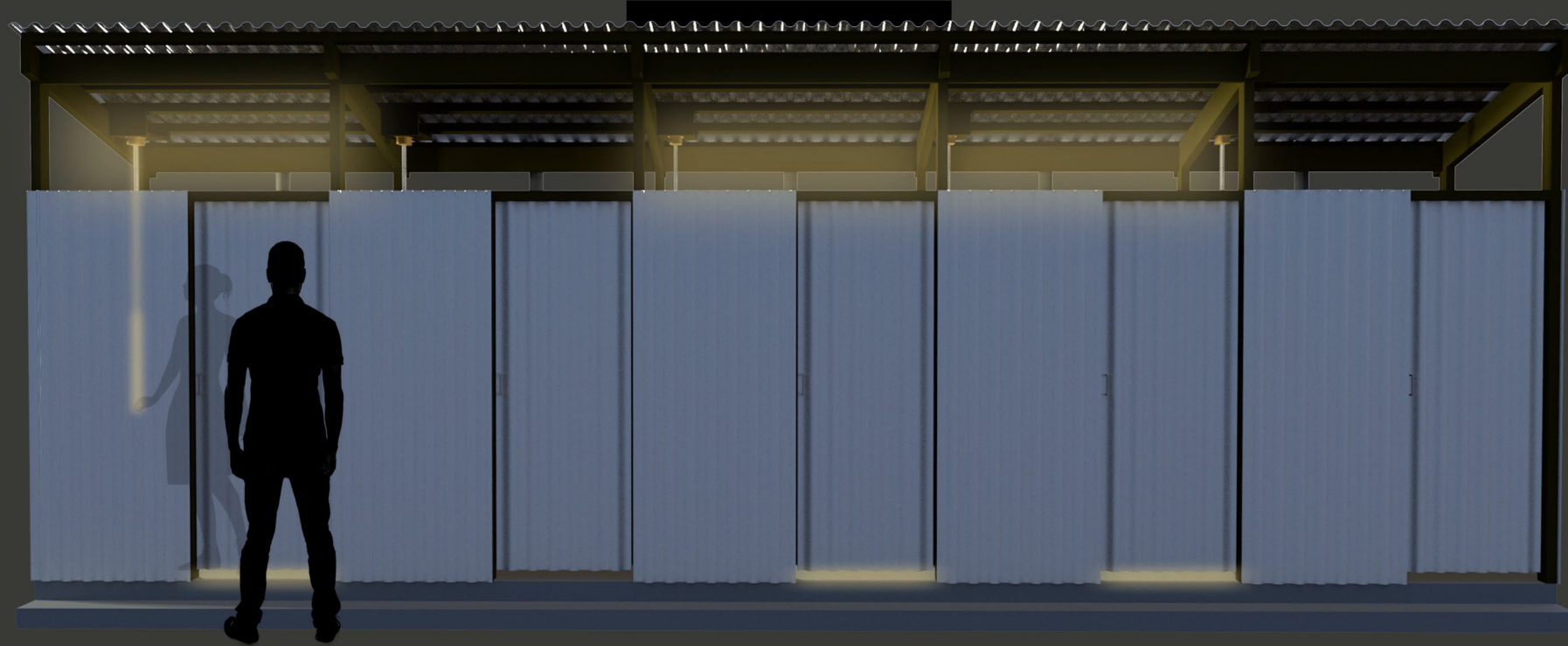
swing the light



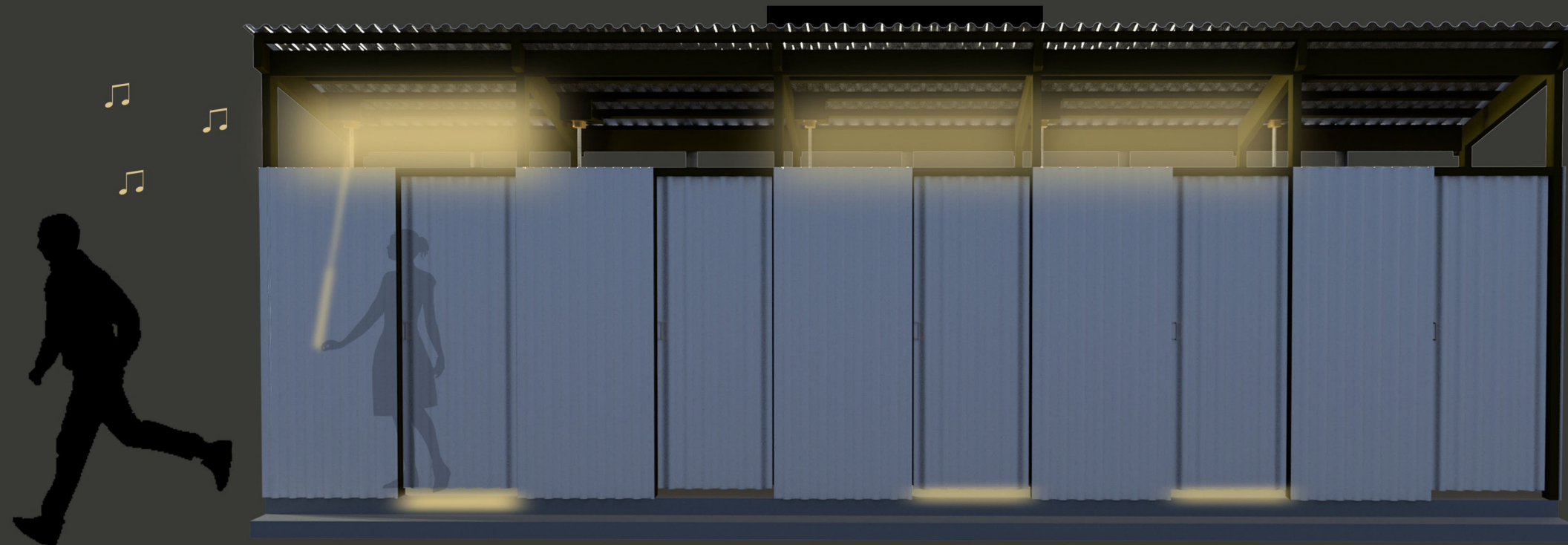
couple with the sound given off by the emergency alarm system, the intruder will most likely move away as people are alerted about his presence

em **P**owering women
Protective lock + the light is On + switch On the alarm

the light is On



power source (solar panel)



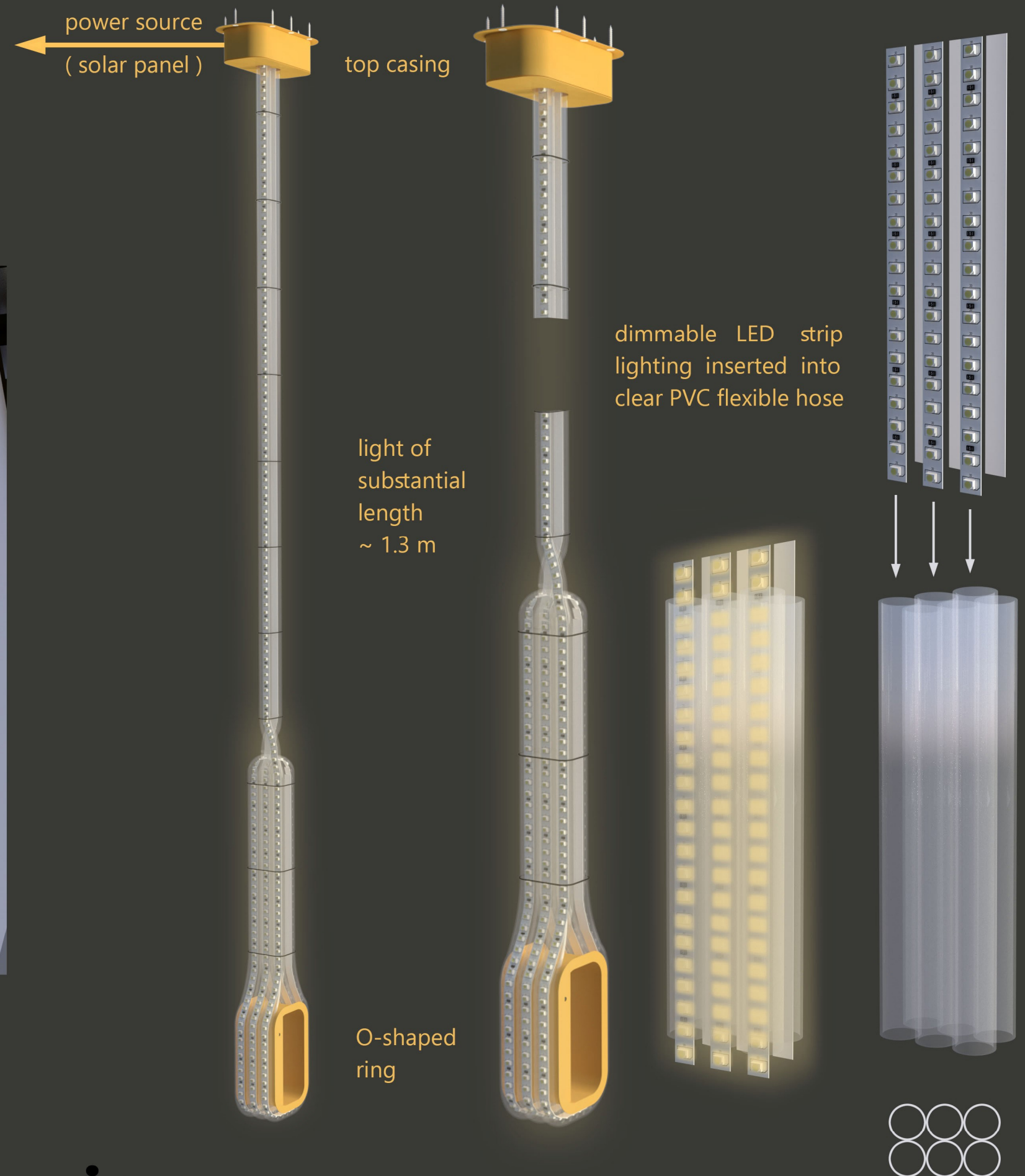
with the light On, one can tell whether the toilet cubicle is in use. the swinging lighting effect during emergency is highly noticeable

the light is On is empowering women & girls

em **P**owering women

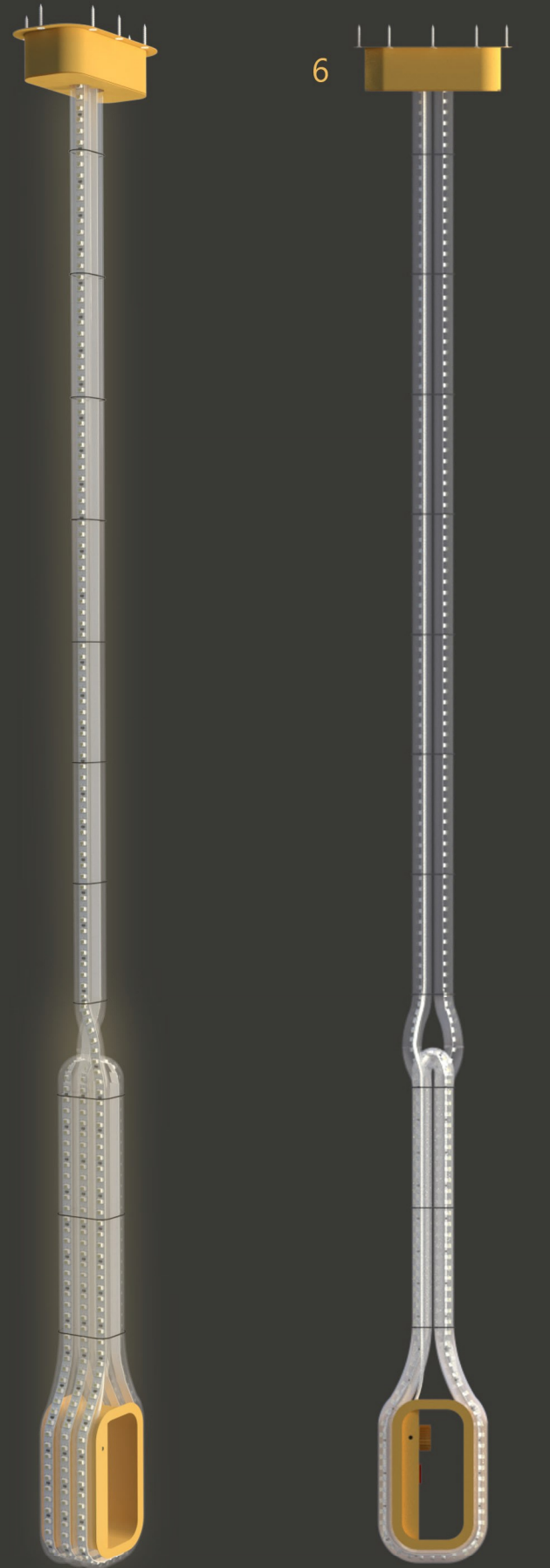
Protective lock + the light is **On** + switch **On** the alarm

the light is On



em **P**owering women

Protective lock + the light is **On** + switch **On** the alarm



the light is On

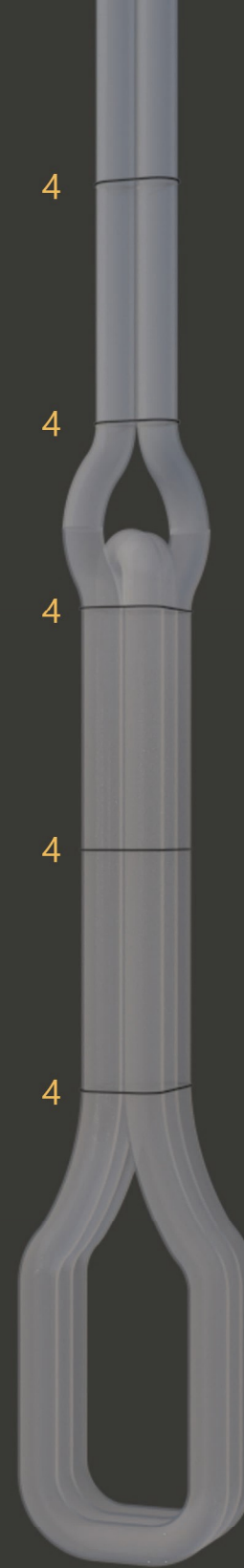
~ 1.3 m
(adjustable)



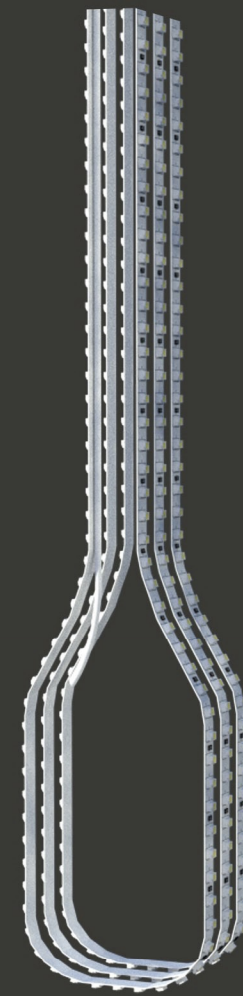
1



1



2

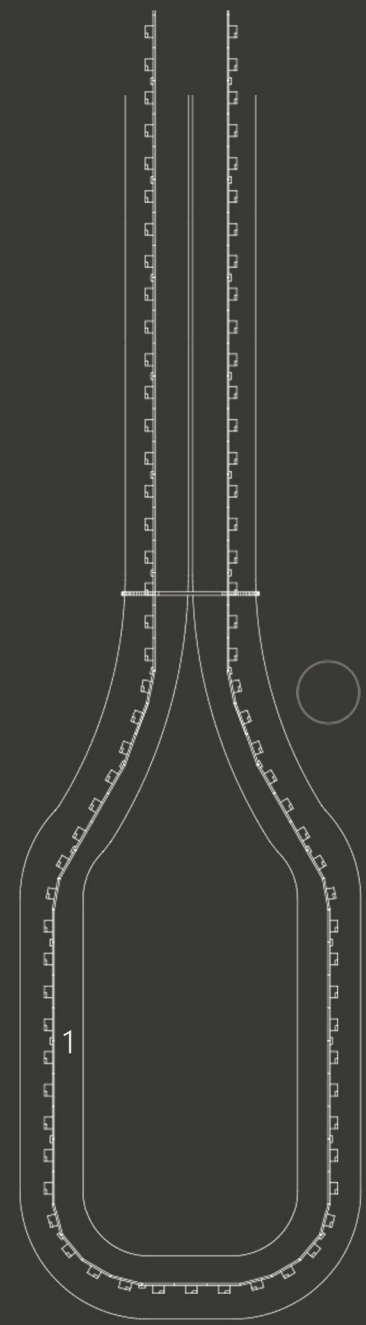
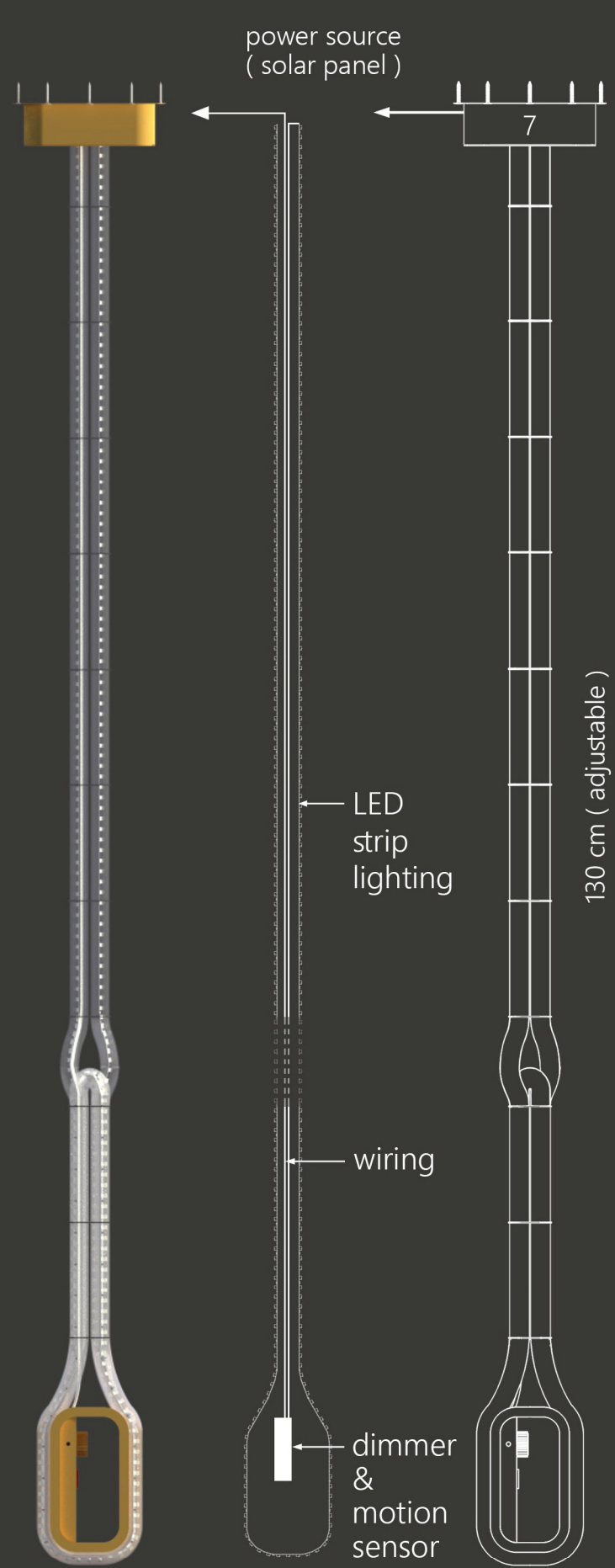


3

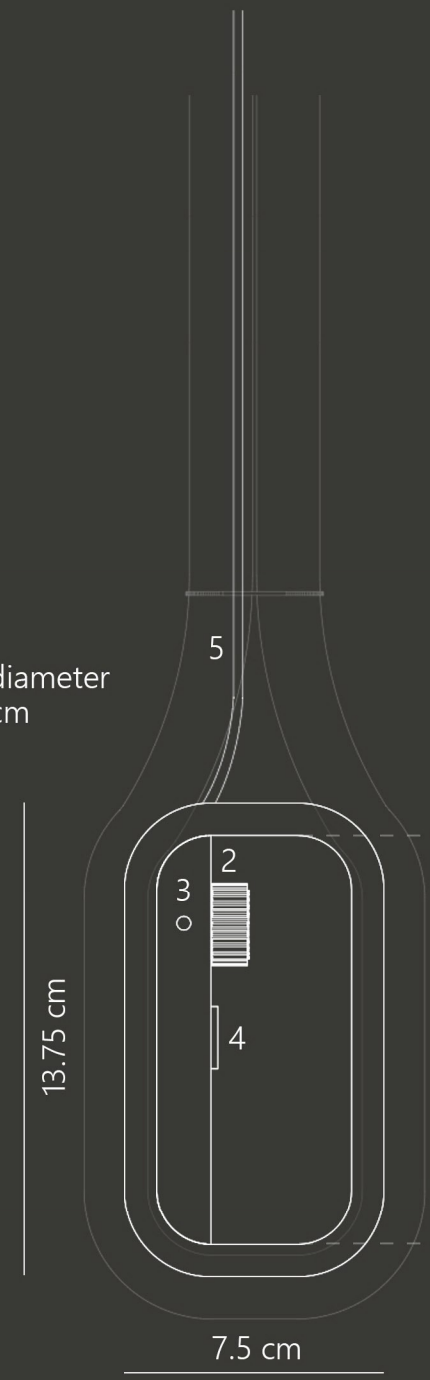
- 1 O-shaped ring with light dimmer, motion sensor , circuit board for emergency alarm system, panic button.
- 2 clear PVC flexible hose
- 3 dimmable LED strip lighting inserted into PVC flexible hose
- 4 plastic cable tie
- 5 wiring for LED light dimmer, motion sensor & emergency alarm system
- 6 plastic top casing secured to toilet ceiling

em **P**owering women

Protective lock + the light is On + switch On the alarm



LED strip lighting inserted into clear PVC flexible hose

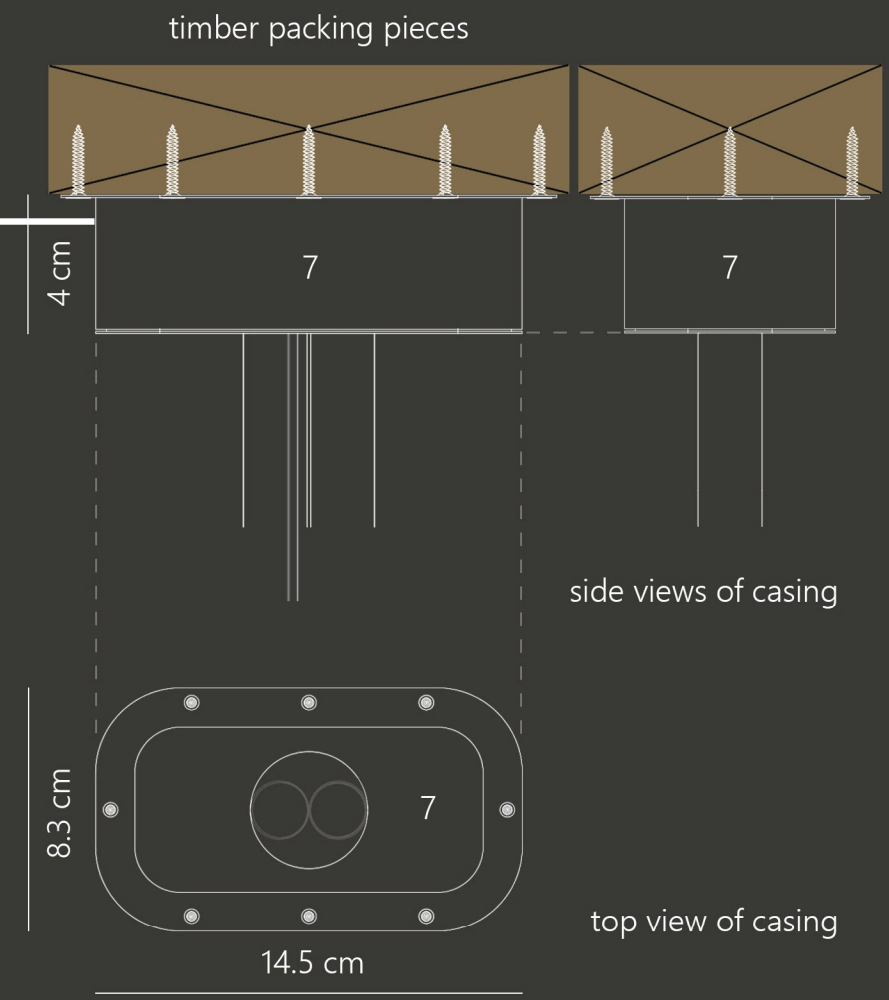


O-shaped ring



elevation view of dimmer, etc

light dimmer + motion sensor + panic button + circuit board for emergency alarm in O-shaped ring



top casing for LED light secured to toilet ceiling

the light is On

- 1 LED strip lighting inserted into clear PVC flexible hose
- 2 dimmer for LED light
- 3 motion sensor
- 4 panic button (emergency alarm system)
- 5 wiring for light dimmer, motion sensor & emergency alarm system
- 6 sound outlet (emergency alarm system)
- 7 top casing secured to toilet ceiling

em **P**owering women

Protective lock + the light is **On** + switch **On** the alarm

