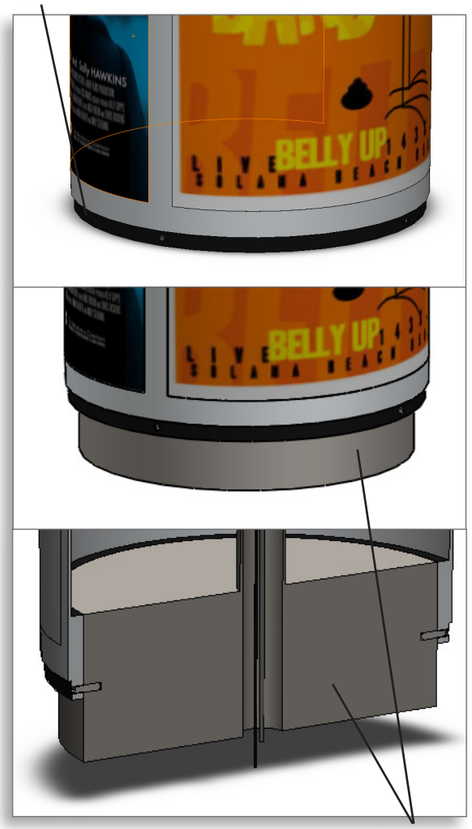
# Detailed Design

Hannah Jenkins

I had to work out how the parts could be secured together, where the fixings should be, where the equipment fit inside the structure and how it should be fixed to the street. I spoke to Andy in the workshop about metal fixings.

## Ground Fixings

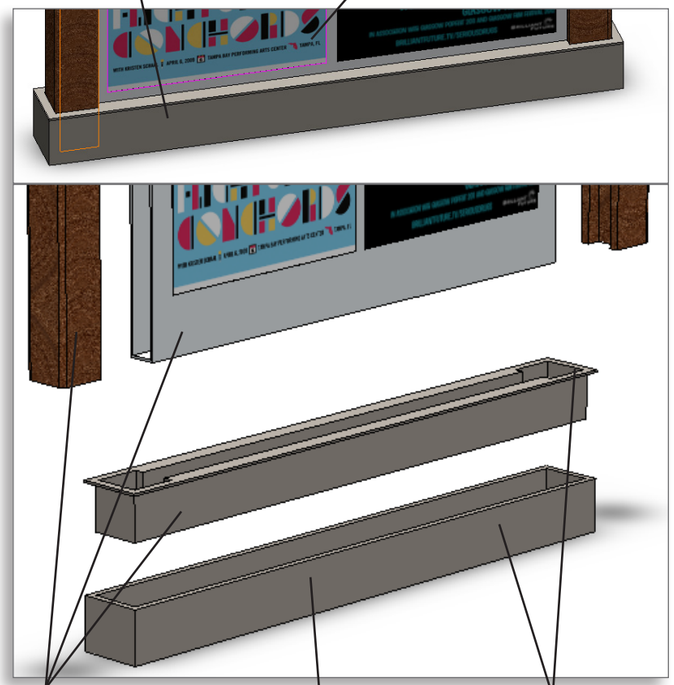
Black cylinder offset from Aluminium casing, and sits at ground level, hiding bolts




Structure bolted to steel frame, which is sunk into ground & unseen

Base is sunk in to ground and unseen

Holds structure safely in place



Timber and Aluminium parts secured into inner base

Outer base fixed in ground with concrete

Two bases fixed together with bolts

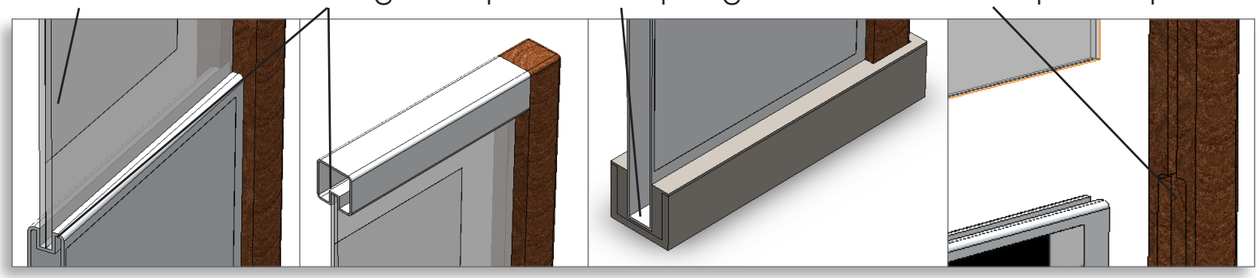
## Fittings

Glass sheets hold film in between

Cavities formed to hold glass in place

Sheet Aluminium held deep in ground base

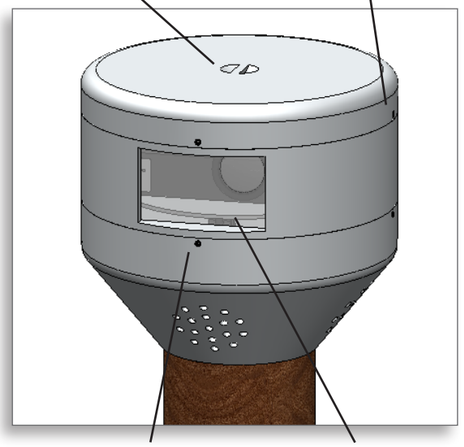
Groove in timber holds parts in place



## Equipment Casing

Indented handle on top

Lip goes over the edge to avoid rain ingress



Lid can be taken off easily for maintenance with 4 screws

Screen insert flat to allow light through

Central ring is screwed in to top and bottom

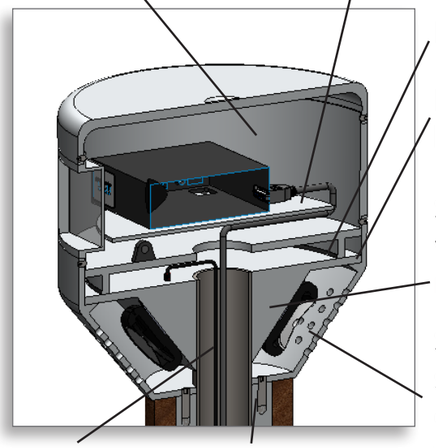
Projector sits on stand, which can be tilted

Rubber cap sits on top of speaker plate

Plate sits on lip of casing

Speakers wired on to metal plate

Sound from speakers comes out through holes



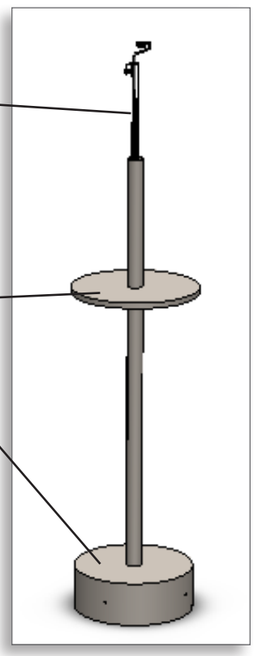
Wires can travel up central pipe

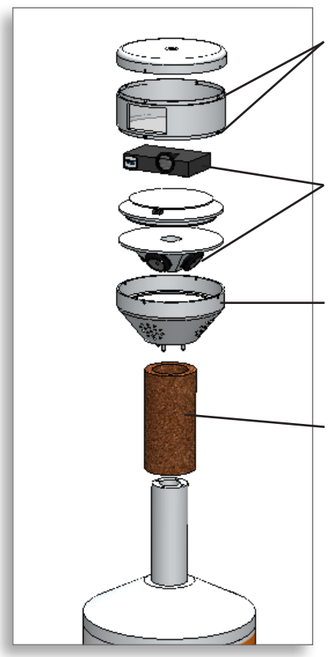
Large bolts are used to secure top casing to main frame

## Inner Structure

Wires fitted first & protected by frame

Cylindrical platforms keep shape at top & bottom





Overlapping joins ensure rain cannot get inside

Equipment controlled externally

Parts layed on top of each other

Wood is a hollow slip to allow metal pipe to pass through for structure and wiring