

VISUAL

UNITED

Vanishing Point
Technical Rider

ARTISTS

Technical Rider

Venue

This artwork which relies on a thin and consistent layer of haze. Darkness is required for the work to be viewed effectively.

The installation is somewhat modular so the artwork can fit a range of spaces. It is recommended that at least 4m x 4m x 16m is available, with appropriate room left at the front of the work to accommodate viewers. Vanishing Point is an audio work which requires an space sensitive to audio requirements.

All surfaces should be sound treated and built with sufficient sound proofing to allow for high levels of sound without disturbance to or from other installations or areas.

Plans

Detailed photographs and dimensioned CAD drawings of site should be supplied 2 months in advance of show.

It is recommended that the site is visited at least six weeks in advance of the show by a member of the UVA team.

Positioning of this artwork should be approved by UVA

Crew

2x Gallery technicians.
2x UVA Team members
1x Laser Engineer for safety certification and setup
Stewards and Security.

Control Position

The control consists of a rackmount PC control computer, a mac mini, two monitors and an audio system. The control position can be placed out of sight of the work as long as it is possible to run a network cable to the space in which the artwork will be viewed.

Power

32a supply
16a breakout distro
16a to 13a adapters

Stewarding and Security

Facilities should be provided for security of all equipment and for the duration of the installation.

A steward should be positioned in the space and will be trained to operate the laser estop incase of emergency

Stewards should be in place to control visitor traffic flow and ensure safety barriers are not breached.

Once successful setup and testing has been achieved and the installation is open a programme of daily maintenance should be followed.

Maintenance

UVA can train a locally appointed technician who will be responsible for the daily system running, monitoring and troubleshooting.

It should be noted that this artwork is a moderately complex system with multiple interfaces.

Full technical documentation and scheduling will be included in contract agreement if appropriate.

Kit List

Supplied by United Visual Artists, delivered in shock-proof cases:

1x Disguise 2x2
1x Mac Mini
1x Laser Scanner with pangolin fb4
1x Motu ultralite mk3 audio interface

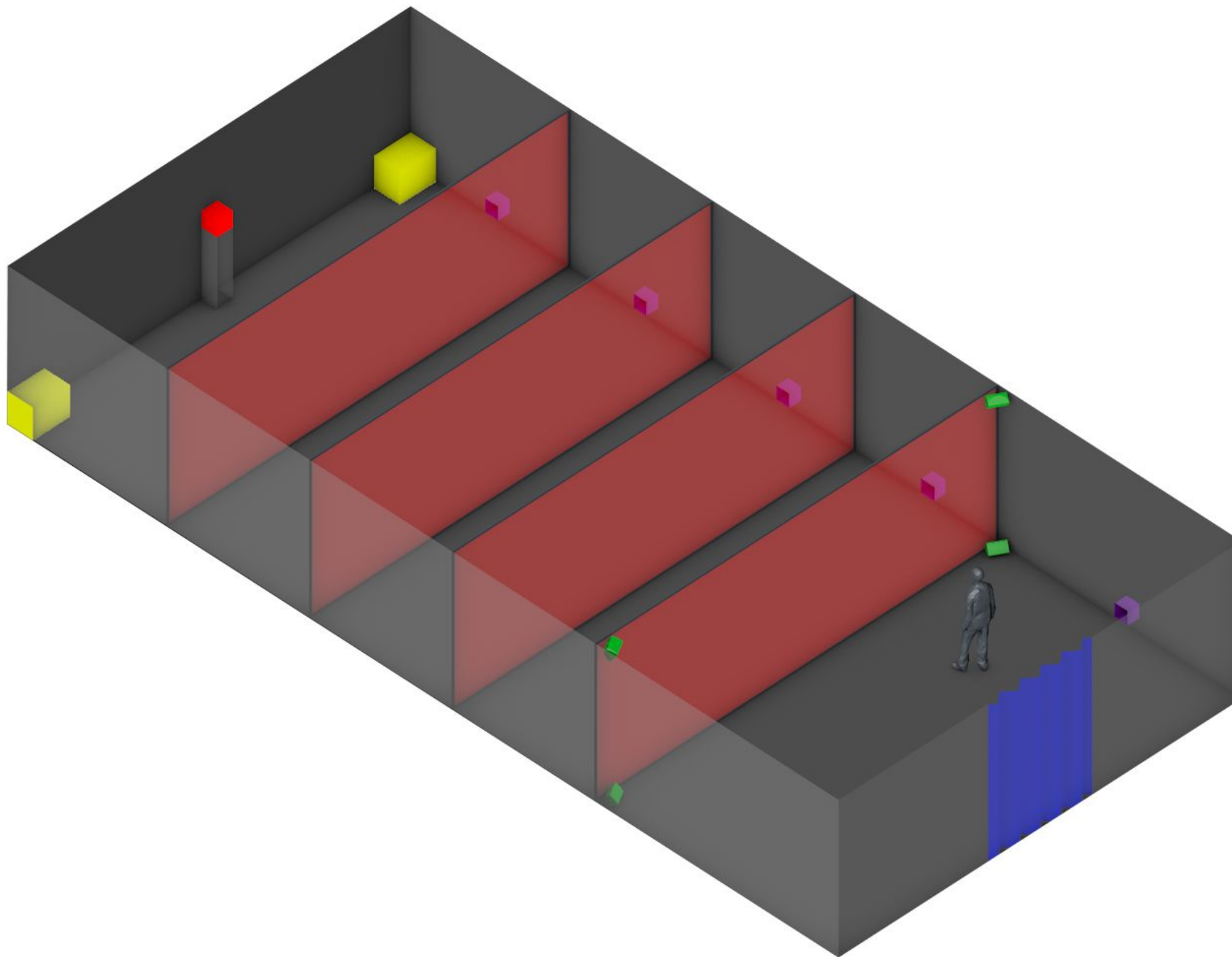
Equipment to be supplied by the production:

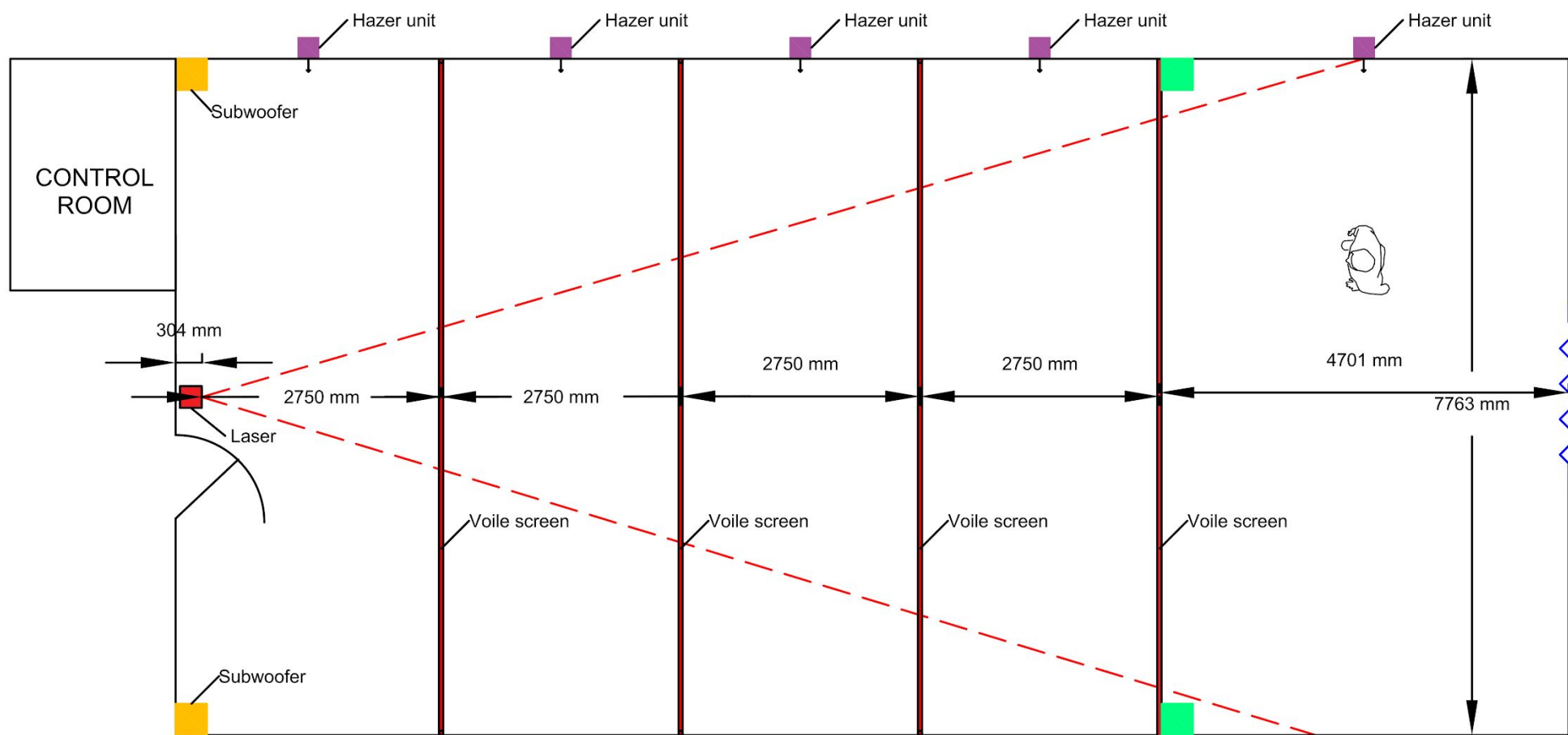
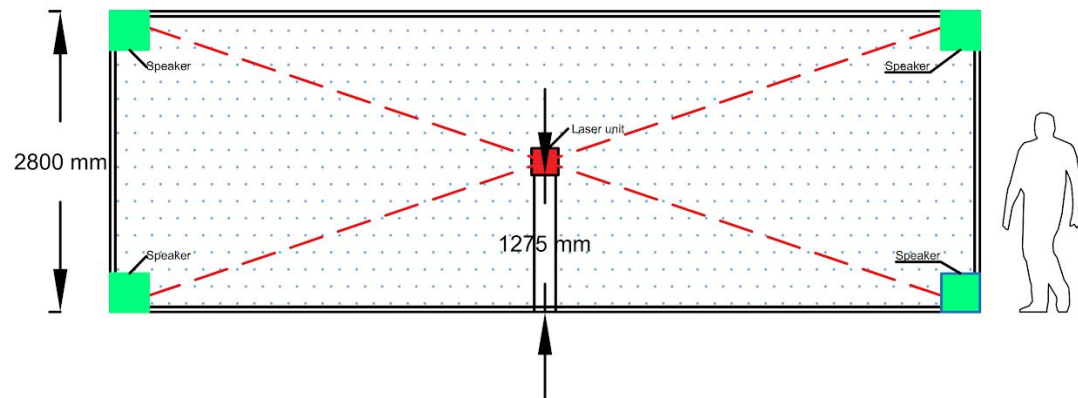
4x d&b audiotechnik E6
1x d&b audiotechnik subwoofer
2x d&b audiotechnik D20
5x Low output, water based hazer and haze fluid
1x DMX control system (to program hazers)
1x Power and data cable package

Screens

4x Showtex Black laser voile Screens
(size to be specified depending on venue)
(Showtex product: 2529 0300 # 0007)

Layout



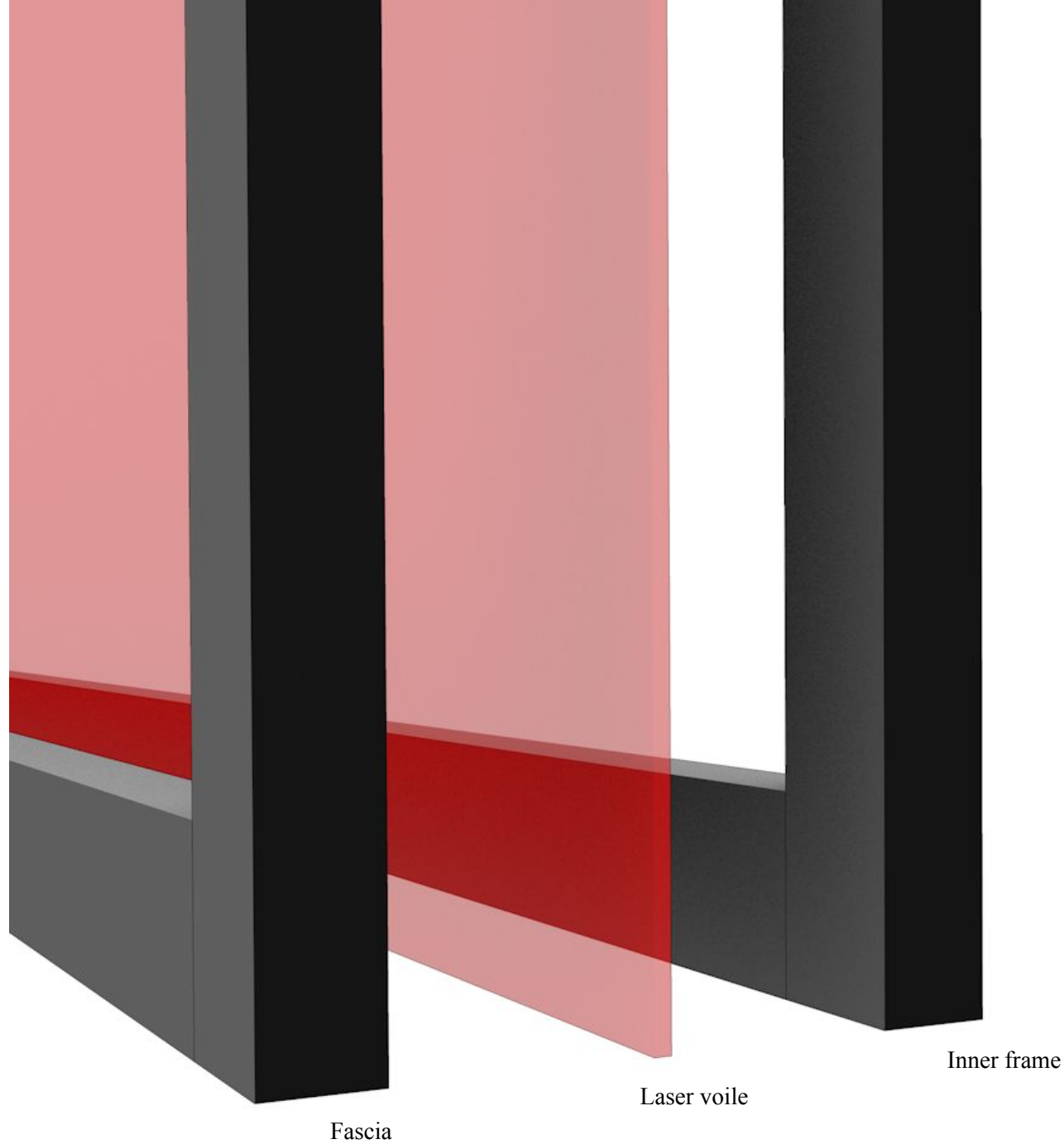


Gauze screens

The gauze screens are built from a wooden inner frame which the laser voile is stapled to. This is then finished with another frontal wooden fascia. All wooden frames should be painted matte black and finished to a high standard.

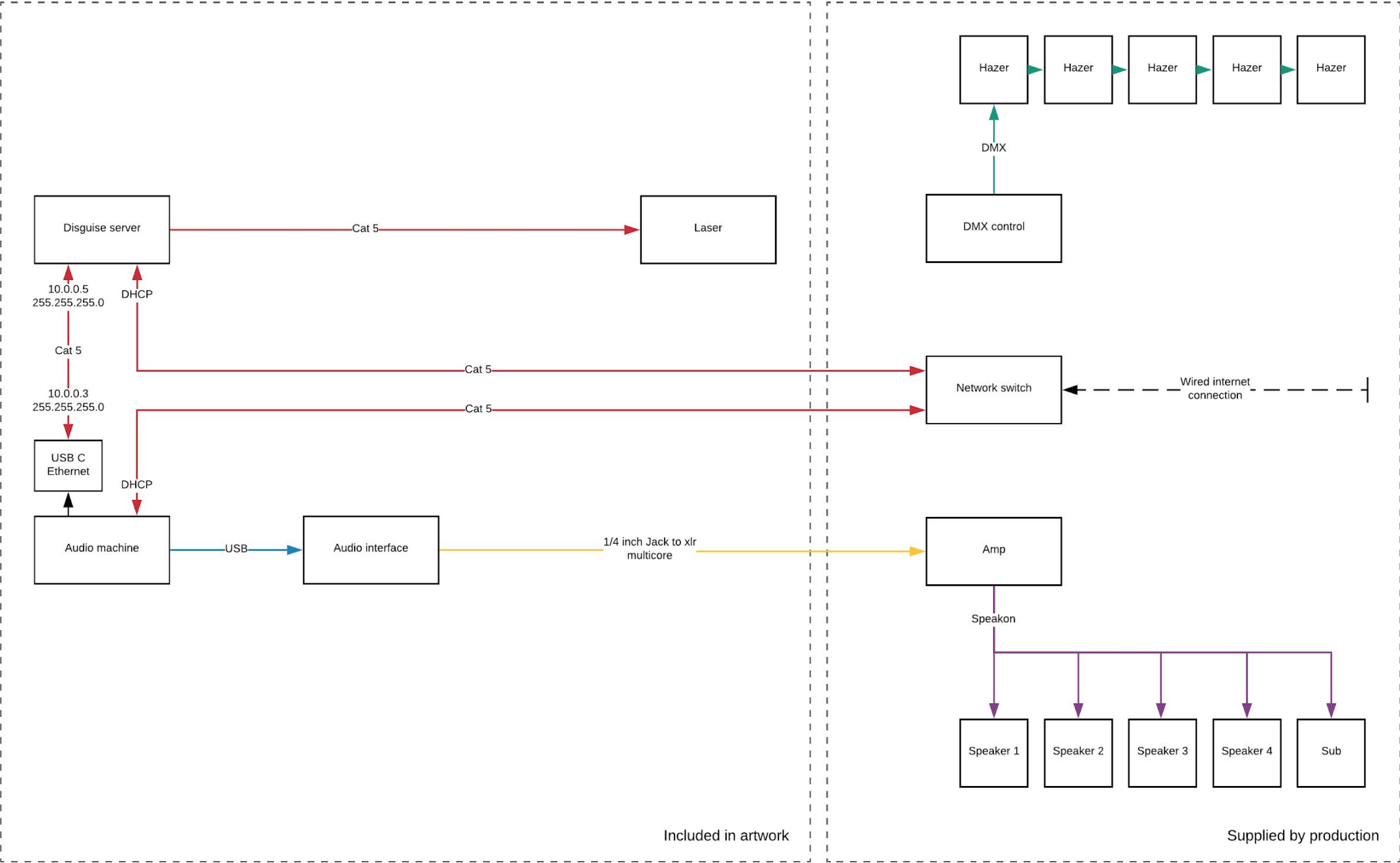
The laser voile must be ironed or steamed prior to installation to remove creases. Once installed any remaining creases must be steamed out.

Great care must be taken when stapling the voile onto the frame to remove any folding or creasing. The finished product should be completely smooth.



Wiring Diagram (Data)

Aquest document és una còpia autèntica. L'Ajuntament de Barcelona custodia el document i les signatures originals.

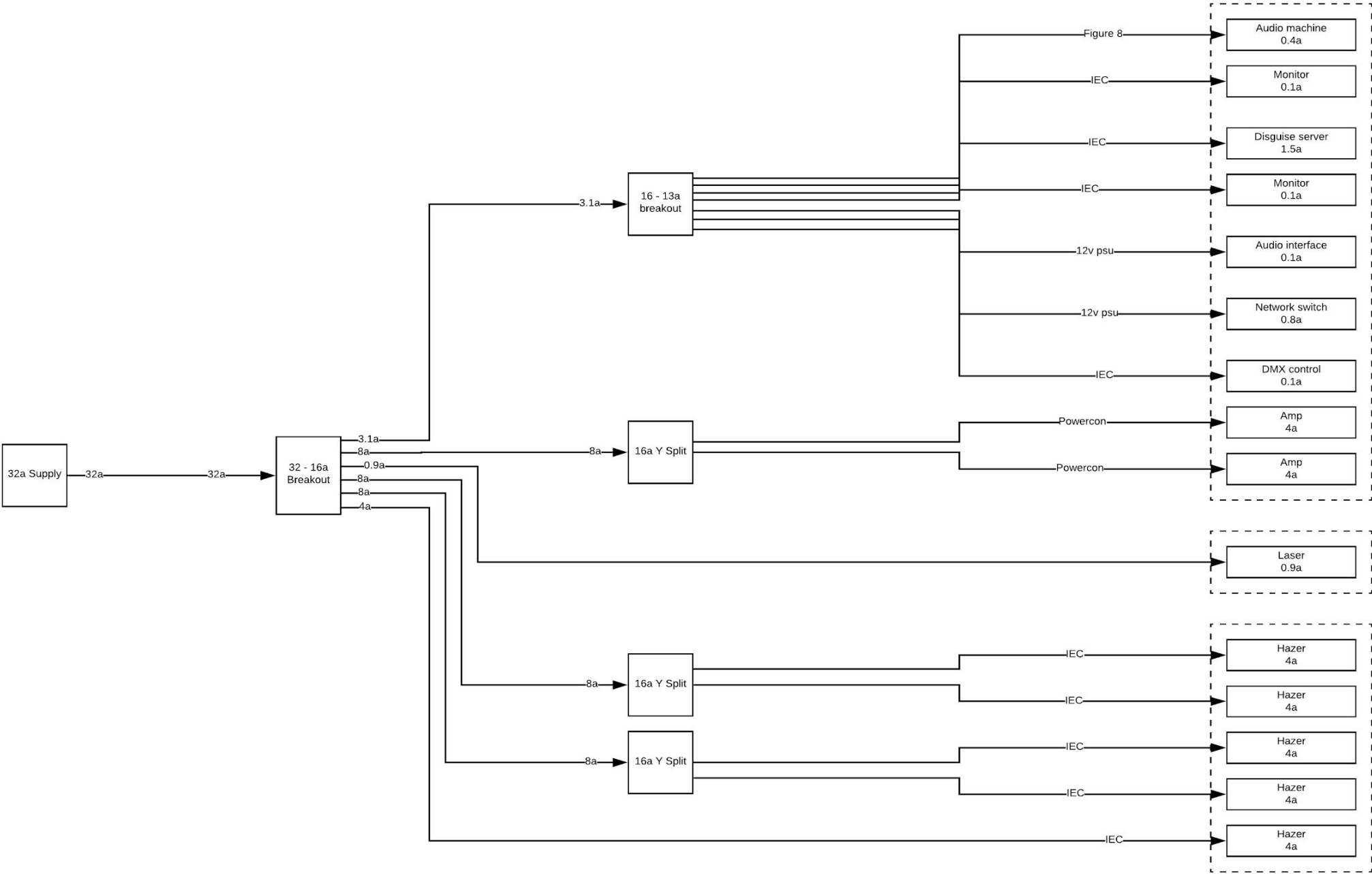


Included in artwork

Supplied by production

Wiring Diagram (Power)

Aquest document és una còpia autèntica. L'Ajuntament de Barcelona custodia el document i les signatures originals.



Software

Setting up software

There are three main parts to the system:

- D3 project
- Pangolin Beyond
- Max MSP

D3 and Beyond run on the same pc (the d3 server). Make sure the beyond licence is plugged into the machine.

Open beyond first and then run the d3 project. After pressing play in d3 you should see the lines being drawn in beyond.

To run the d3 project you must:

- Uninstall all versions of d3
- Add “uva_vanishingpoint” project to d3 projects folder. (in the 180 the strand folder on storage)
- Copy and paste the folder “uva_release_14” into the root of the C drive
- Right click on the project file an open with “d3stub.exe” which is located in
C:\uva_release_14\builds\Win32-msvc12.0-toolset120-Release-full\
d3\build\msvc

The audio patch runs on a mac mini and is connected to the d3 machine via network.

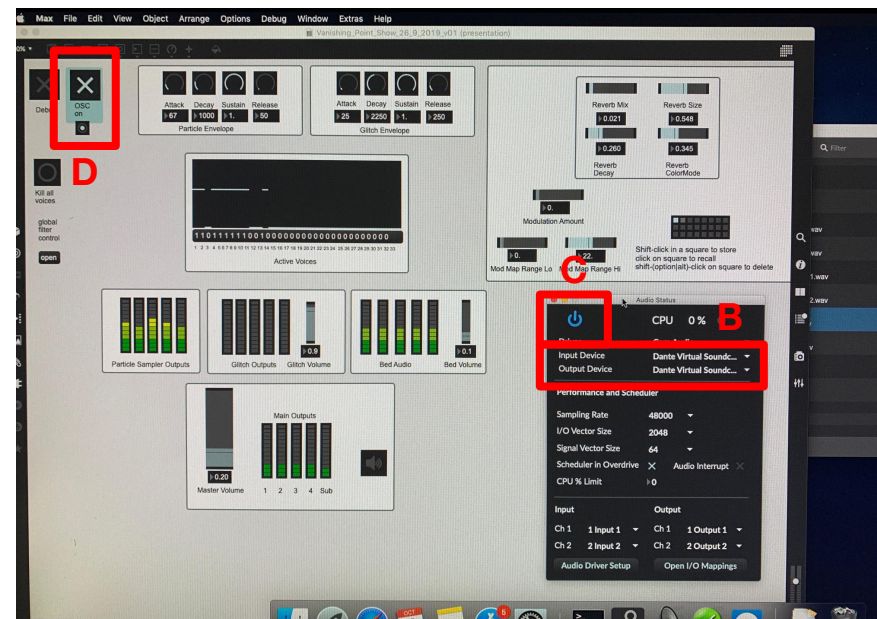
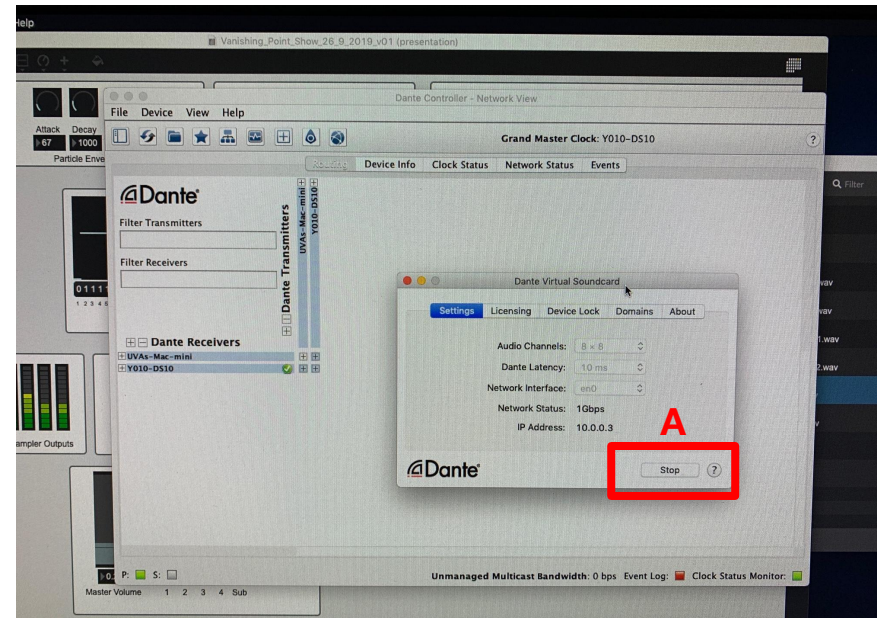
To run the max patch, open the project file in “VP MaxPatch” which is located on storage in the 180strand folder.

Ensure the d3 machine and the audio mahine have compatible ip addresses.

TURNING ON THE ARTWORK

Please always follow this procedure in the order shown.

1. Turn on the Mac Mini via button on the back. The software should open automatically.
2. If “Dante Virtual Soundcard” gives a licensing error then please restart the Mac Mini. After “Dante Virtual Soundcard” has loaded please click start. If it is working properly it will now say stop. (See A)
3. In “Max MSP” make sure that both the output and input device is set to “Dante Virtual Soundcard”. (See B)
4. In “Max MSP” click the power button that is to left of the CPU monitor until it goes blue. (It might turn grey and then orange before going to blue). (See C)
5. In “Max MSP” make sure that the OSC on button is clicked (it should look like an illuminated X”. (See D)
6. Turn on the d3 server (the black computer in the rack to the left of the right PC monitor. The small button on the front).
7. Once started up open the beyond software (On the bottom bar. Icon is a “B”).
8. Click the top right button “Enable laser output”. It should go red and say “Disable laser output”. This means the laser is on.
9. Open disguise software (the icon is three white lines on the bottom bar).
10. Once open drag the timeline back to the start and click the play button on the bottom bar (far left button).
11. Check hazer fluid levels in the five hazers and top up if needed. (There is spare fluid in the wall cavity next to the vanishing point control room) To fill up hazer, take out the storage tank from the hazer, unscrew the cap and then fill up with fluid.
12. Turn on all hazers (The red button on the back of the hazer units).
13. Do the ‘hourly invigilation checklist’ to check all is working as intended before opening to public.



Production & Logistics

The Artwork requires a suggested period of 5-7 days to set-up.

2-3 days should be allocated to prepare the gallery environment to install any framework and the screens, create a dark environment, install the speaker system and prepare the space to contain a consistent level of haze.

1 day should be allowed to install and test the laser and control system. This must be done after the gallery is prepared with screens, haze and darkness.

In the cases of modifications, additional time may be required to programme the work once installation is complete. A minimum of 2 days is usually required for this.

1 final day should be allocated to soak test the installation and train any stewards or technical staff in a handover. A qualified laser engineer should be employed to check and approve the work on this day.

De-installation should be possible in 1-2 days.

Indicative Production Schedule

		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 5 (or 7)	Show Day/s	Derig Day 1	Derig Day 2
		Prepare Screens/Gallery Space						Barriers/Signage		Screens removal	Gallery derig
		Haze enclosure		Blackout				Soak test		Haze Removal	
				Speakers				Soak test		Speakers removal	
					Laser Installation			Soak test		Laser Removal	
					Control Installation	Programming	Programming	Soak test		Control derig	
		Power									
		Access									
Local Tech Lead	8	1	1	1	1			1	1	1	1
Local Crew x 2	6.5	1	1	1	1			0.5		1	1
Technical Designer	3				1			1	1		
Technical Engineer	3				1			1	1		
If further re-programming is required:											
Technical Designer	5				1	1	1	1	1		
Software Engineer	5				1	1	1	1	1		
For certification:											
Laser Engineer	2				1			1			

GENERAL INVIGILATION

- **All invigilators should be made aware of the laser cut off button and be ready to deactivate it immediately. This is at the back of the viewing space on the right as you enter.**
- **If there is any fault observed with the laser, it is observed to be making a single line rather than planes, if the gauze is damaged, or there is someone in the space behind the gauze, the laser should be turned off immediately and UVA support contacted.** To turn the laser back on again, turn the key. It will take around 30 seconds to restart.
- Make sure people do not walk into or damage the gauze.
- A consistent level of haze is essential to the correct viewing of the artwork. If the haze density drops in any section, the fluid may need topping up.

HOURLY INVIGILATION CHECKLIST

1. Does the laser light look as intended, with moving planes of light?
2. Is the sound working, with sound responding to the movement of the light?
3. Is there the correct density of haze in all sections between the gauzes. This should be dense enough to see the planes of light, but not so dense as to obscure the view.
4. Is the front gauze smooth, taught and undamaged?
5. Is the viewing space clean and clear of any rubbish.
6. Are there any sources of external light affecting the experience of the artwork?

*** IF IN ANY DOUBT PLEASE CONTACT US AS OPPOSITE!**

TURNING OFF THE ARTWORK

Please always follow this procedure in the order shown.

1. Shutdown the Mac Mini.
2. On the right PC monitor, hit esc and enter at the same time.
3. Shutdown the computer.
4. Turn off all hazers (by the red switch). Hazers are in the wall cavity behind the vanishing point control room.

FIRE SAFETY

In the event of an emergency invigilators should direct visitors to the escape route as shown and ensure the space has been cleared.

TROUBLESHOOTING BEST CONTACT

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07595 763657