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## 12.11.03



### ACMI Screen Lounges Progress report on construction

From **Crowd Productions**: A report on progress of research, design and construction work to 12.11.03

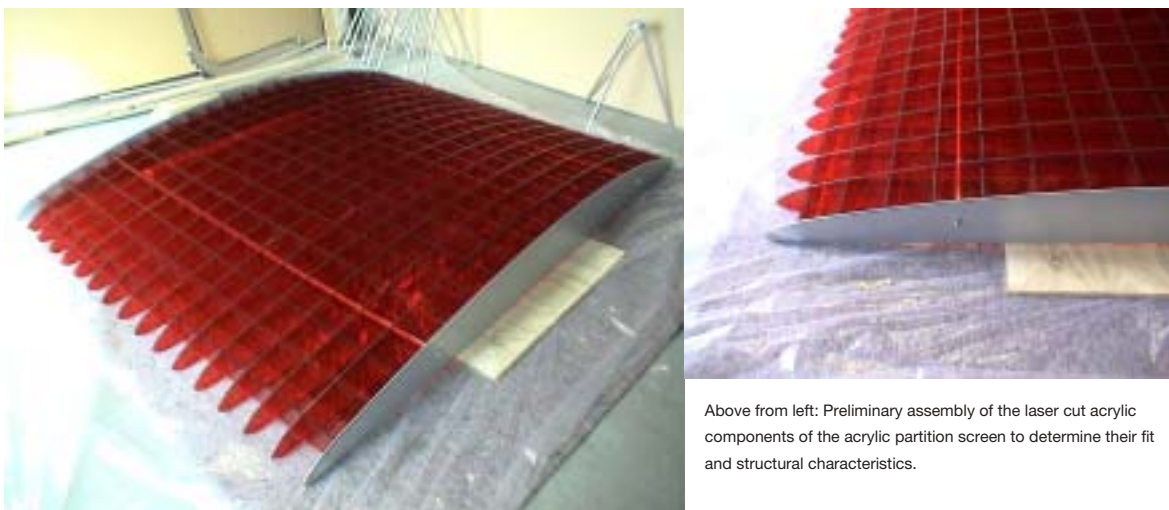
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#### 01.] **Consultation with ACMI Stakeholders: Meeting with ACMI stakeholders, PIVoD and CMR.**

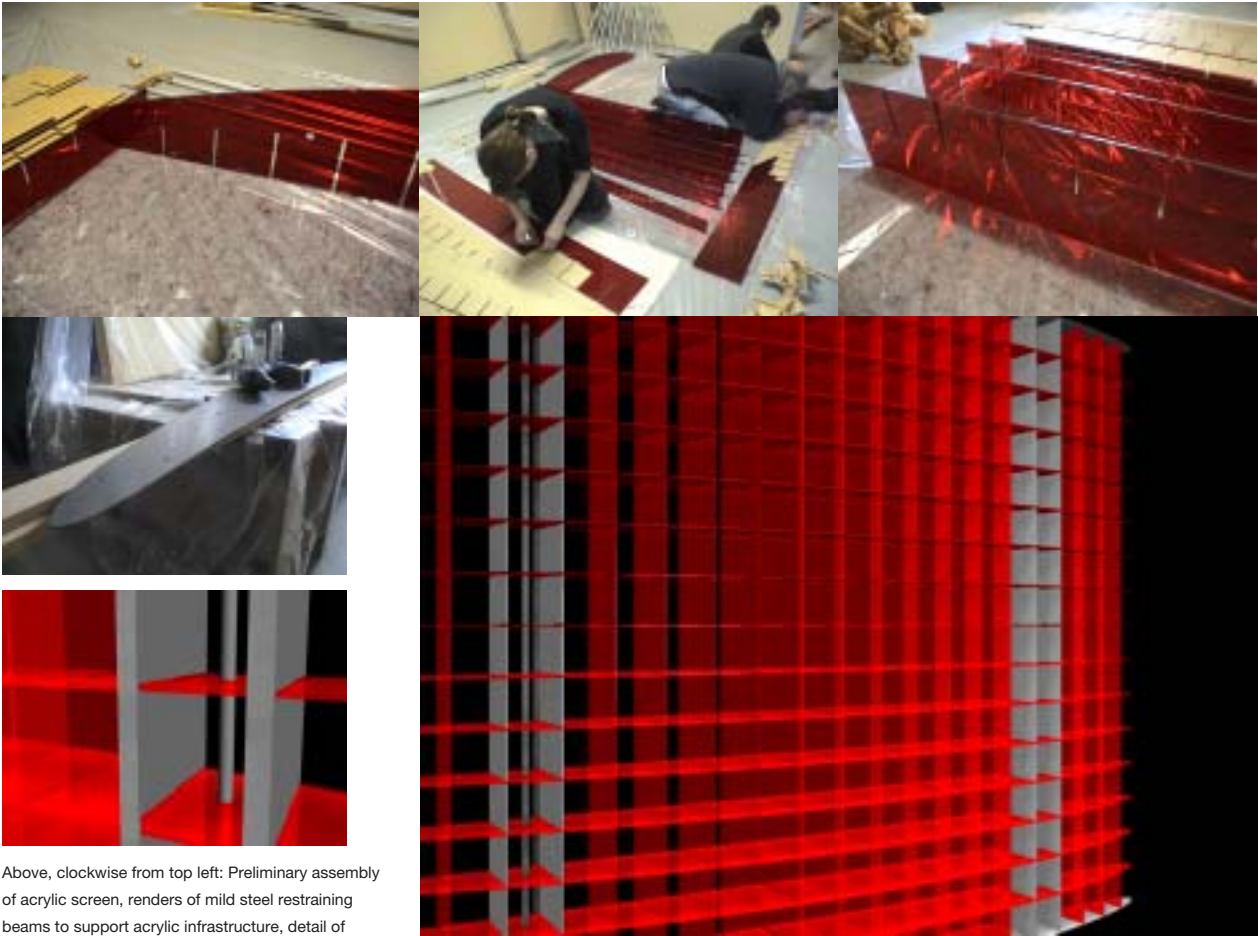
29.10.03. On Wednesday 29 October, Crowd met with ACMI stakeholders, PIVoD and CMR to discuss progress on construction and commissioning of the Screen Lounge pods. Crowd submitted a plan of the location of the Screen Lounge pods in the Screen Lounge to ACMI. Crowd submitted drawings of the mesh cages to cover the backs of the Plasma monitors in the open Screen Lounge pods and the mild steel speaker tabs to connect the speakers in both the open-seater and closed Screen Lounge pods for approval by ACMI in order to obtain quotes from fabricators, in order to submit those quotes to ACMI, in order to get a approval to get the items fabricated in time to met the agreed deadline of mid November for completion of the Screen Lounge space. Michael Parry from PIVoD advised Crowd that he would do a thermal test of the interior of the Mantle Boot to gauge whether the vent holes we have drilled in the internal walls have helped reduce the internal temperature. Michael advised us on Thursday 31 that the internal vent holes have helped to reduce the internal temperature. Crowd will now drill these holes into the Mantle Boots in Screen Lounge pod 02 and 03. Meridith Lewis from ACMI has advised Crowd that the design and expenditure for the speaker tabs has been approved and confirmed that we should proceed with the mesh cages for the backs of the Plasma monitors in the open-seater Screen Lounge pods.

#### 02.] **Report on construction progress: Fabricating the acrylic partition screens.**

Crowd has begun an initial test assembly of the red translucent acrylic partition screen. This test was conducted to confirm the dimensions and fit of the acrylic laser cut components. The components fitted perfectly. The effect of light falling on the matrix of translucent material and the amplification of the red reflected light is very appealing. We have now to move to the next stages, which are laser cutting, fabricating, welding and painting the metal sub-frame to support the acrylic matrix. This will take some time.



Above from left: Preliminary assembly of the laser cut acrylic components of the acrylic partition screen to determine their fit and structural characteristics.



Above, clockwise from top left: Preliminary assembly of acrylic screen, renders of mild steel restraining beams to support acrylic infrastructure, detail of painting mild steel top and bottom plates

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**03.] Report on construction progress: Laser cutting the revised headphone jack cover plates.**

Crowd has taken receipt of the laser cut revised headphone jack cover plates. These new cover plates have been designed to accommodate the face plate configuration of the revised headphone jack selection. Crowd will collaborate with PIVoD this week to see the coordination of the installation of the headphone jacks and the headphone jack cover plates.



Left: Laser cut headphone jack cover plates

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**04.] Report on construction progress: Finishing the Screen Lounge pods**

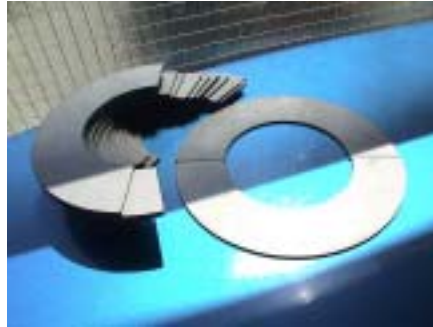
As agreed with ACMI, Crowd is finishing all of its construction work in relation to the three Screen Lounge pods in the Screen Lounge by Tuesday 18 November. The Mantle Boots in all three Screen Lounges have been finished, except for recent variations to the Scissor Arm guidance systems requested by ACMI. Additional vent holes have been drilled as requested for cooling the client computer spaces. The plasma monitor mesh cages will be completed. The headphone jack cover plates will be delivered and installed. We have not proceeded with fabrication of the proposed footrests and we have not had further discussions re the design of any additional upholstery elements.

05.] **Report on construction progress: Fabrication of the Inflatable ceiling for Memory Grid pod 04**

11.11.03. On Tuesday 11 November Bedggood Canvas delivered the inflatable ceiling for Memory Grid pod 04. The ceiling has been inflation tested at Crowd and will be installed shortly, once the rope track securing mechanism has been installed on the pod.



Left: Inflation test of the second inflatable ceiling ready for installation into Memory Grid pod 04. Below: Laser cut split rings to finish the foot detail of the Mantle Boot supports in pods 02 to 05.

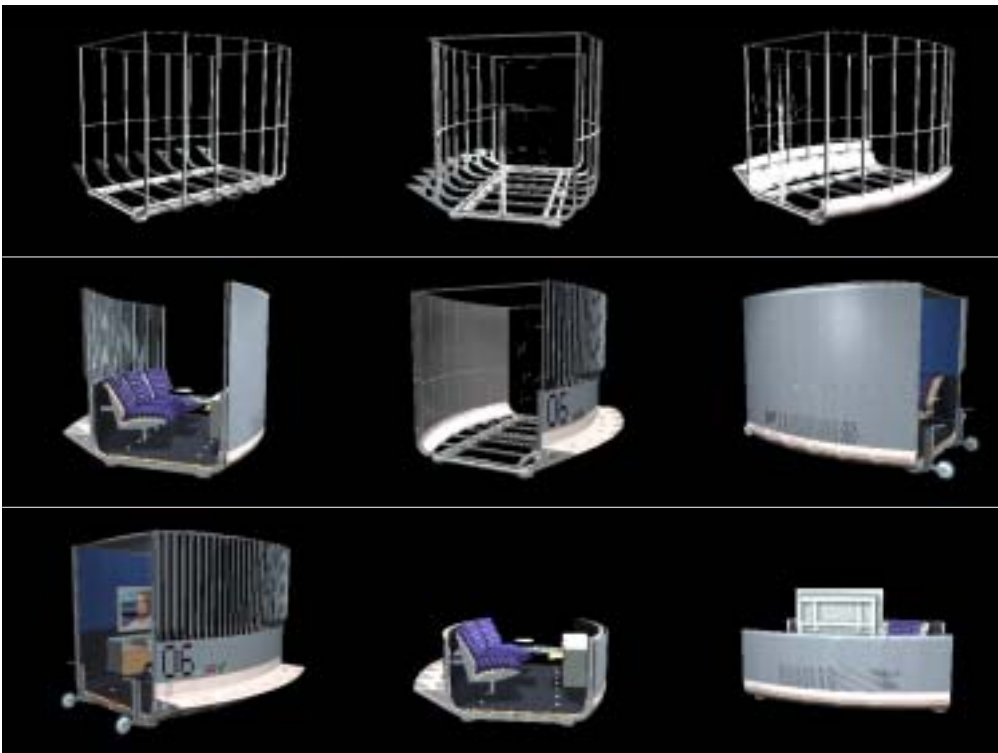


06.] **Report on construction progress: Laser cutting the Mantle Boot foot trim plates.**

11.11.03. On Tuesday 11 November Crowd took delivery of the Mantle Boot foot trim plates. These split ring plates have been fabricated to finish the connection between the Mantle Boot feet and the suspended floor in Screen Lounge pods 02 and 03 and Memory Grid pods 04 and 05.

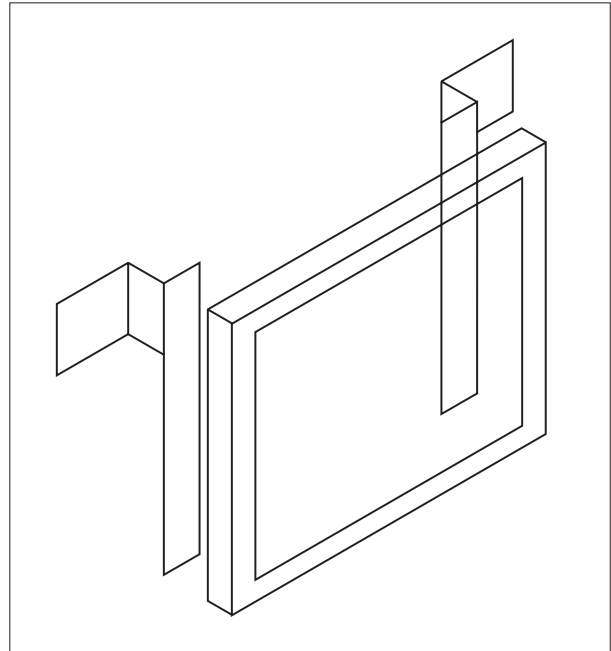
07.] **Report on construction progress: Production of an animated assembly rotation.**

Crowd has produced an animation of the Screen Lounge pod assembly sequence as an aid to communicating the modular nature of the Screen Lounge pod design and how the elements of the construction interact. This multi media presentation, used in conjunction with the Mosaic movie illustrates the design process and the production processes employed to produce the Screen Lounge pods and the different configurations possible with this design strategy.



Left: Image capture of the animation of the assembly sequence of the Screen Lounge pods, showing both the assembly and conversion sequence from fully enclosed pod to the open-seater configuration.

Right: Axonometric drawing of the speaker tabs, designed by Matt Mulcahy from ACMI and fabricated by Crowd, shown detached from either side of the Plasma monitor

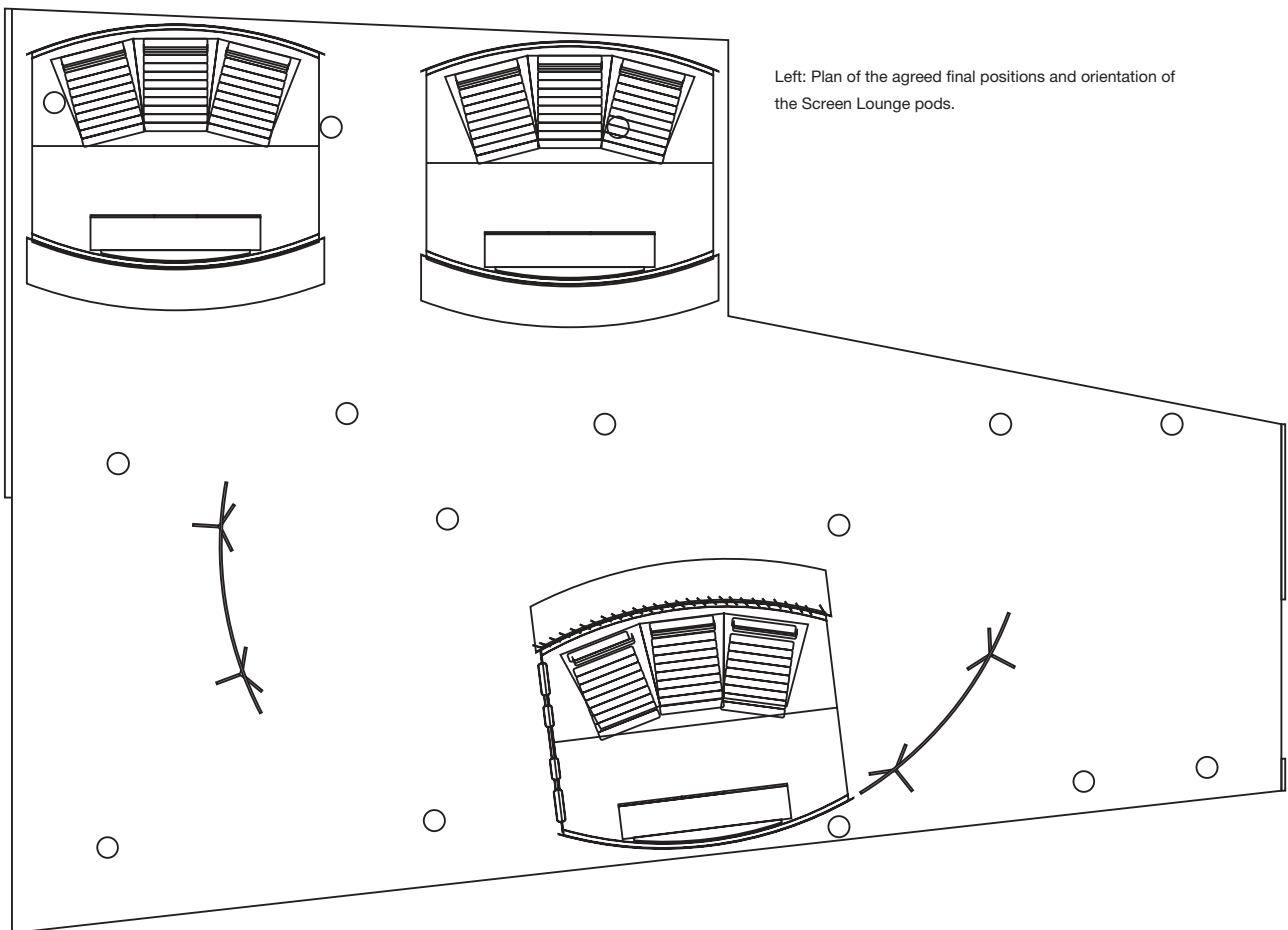


**08.] Report on construction progress: Fabricating the Plasma protection cages and sheet metal speaker tabs.**

Crowd has delivered construction drawings for the perforated metal mesh cages to be fitted to the backs of the open-seater Screen Lounge pod Plasma monitors and the folded metal speaker tabs to the sheet steel fabricator. Crowd will collect these later this week to prepare and coordinate painting them in readiness for installation at Federation Square. The metal fabrication has now been completed and Crowd will take delivery of this work on Wednesday 12 November. Crowd will then have the parts prepared and painted in readiness for delivery to ACMI.

**09.] Report on construction: Provision of a final plan for the Screen Lounge**

As requested by ACMI Crowd has prepared and presented a plan of the final position of the three Screen Lounge pods in the Screen Lounge Gallery. The plan represents the final positions and orientation of the Screen Lounge pods agreed to with John Smithies at the Screen Lounge meeting of Wednesday 15 October.



Left: Plan of the agreed final positions and orientation of the Screen Lounge pods.