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ACMI Screen Lounges: Progress report on construction

From **Crowd Productions**: A report on research, design and construction work to **04.06.03**

01.] Report on construction progress: Meeting with ACMI stakeholders, CMR and PIVoD

21.05.03 On Wednesday 21 April Crowd met with ACMI stakeholders, PIVoD and CMR to discuss design and construction progress of the Screen Lounge pods. The meeting was held inside the pod, a casual and intimate affair. John Smithies, ACMI CEO, inspected the Scissor Arm's action and tested the seating. Crowd confirmed that the forth wall, the Blister Pack will be installed shortly and that the inflatable ceiling will not be arriving for the opening of Remembrance Two. Michael Parry from PIVoD raised timetabling issues in relation to pods 02 and possibly 03 arriving at ACMI during Remembrance Two when the currently available room will be open to the public for exhibition purposes. In order for PIVoD to continue commissioning the later pods during Remembrance Micheal felt another space within ACMI may need to be found. Michael also requested that the three Screen Lounges should be done first, as the Memory Grid program may be less pressing as there is complex scripting still to be completed in the area of content. This will of course require discussion between all parties. The production Scissor Arms will still take some weeks to complete as drawings, laser cutting and final fabrication must be completed. Crowd affirmed it's production schedule for the remaining pods to ACMI. We also viewed progress on the interface design for the Screen Lounge pod LCD control device by Jane Ellery and a demonstration of its operation which was very impressive.



Above: Images of ACMI including CEO John Smithies, meeting with PIVoD and Crowd Productions in the first Screen Lounge pod at Federation Square.



Left: Images of Jane Ellery's demonstration of the Screen Lounge pod LCD control screen interface.

02.] Report on construction progress: Construction of the partition system frames

Tool Time Engineering have delivered the modular components required to assemble the frames of the partition family. All partition types have a four part machined modular tripod legs. The Acoustic partitions and the Woven partition have similar tube steel frames. The Acrylic partitions have the tripod legs with additional threaded rod blind tapped into the leg boss to tie down the acrylic sections. The tripod leg bases will be assembled at Crowd and will be sent out for spray painting.



Above: Images of the modular machined tripod leg base system developed to support the partition screens used in conjunction with the Screen Lounge pods.

03.] Report on construction progress: Prototyping the Blister Pack acrylic light guides

27.05.03. On Tuesday 27 April Crowd began test sand blasting acrylic light guide samples to test the required blast finish to diffract light at the image surface of the guide in order to illuminate the embedded photographic images. We then prepared a sample image sandwich and conducted a trial illumination. This has proved very successful. The low level of lighting required is designed to invite an intimate reading of the images, an active engagement. The images are not designed to assault the eye from a distance. Low levels of illumination are also necessary so as not to interfere with the screen based content. It is anticipated that the lighting levels from the fibre optic light drivers within the Screen Lounge pods will be interfaced to the electronic systems controlling the pods and therefore all lighting will be further dimmed or switched of during viewing periods.



Above: The sandblasting booth setup used to test the sandblasting options for the acrylic light guides, The first lighting test being conducted on a sample light guide sandwich

04.] Report on construction progress: Detailing the Blister Pack connection system

The Blister Pack wall shells have been designed for easy removal to allow easy access to the display space between them. An easy to operate system with a high level of finish is required along a public proof locking system to prevent loosening or dismantling by

unauthorised persons. We have located the pinhead lockable Fix range from Fractal in Sydney, which in scale and finish is perfect for this project.



05.] Report on design progress: Further Multi Media deliverables from Crowd Productions

Crowd Productions has prepared the final two multi media resources relating to the design and development of the Screen Lounge project for ACMI at Federation square. These consist of a Mosaic movie comprised of one thousand images of the design and construction processes involved in making the Screen Lounge pods and an electronic interface to access the reports produced by Crowd Productions detailing the design and construction processes.



Above: Screen captures of the Screen Lounge project Report interface and the Screen Lounge project Mosaic



06.] Report on construction progress: Production of the Entry light covers for the Screen Lounge and Memory Grid pods

Crowd has developed a folded acrylic light fitting to act as an entry light for the three enclosed lounge pods. This light fitting is a fibre optic fitting that is seated into a recess in the floor chassis of the enclosed Screen Lounge and Memory Grid pods. The fitting uses a new material developed by Perspex: a frost finished acrylic sheet that acts as a natural light diffuser.

07.] Report on construction progress: Production of the identification stickers for the Screen Lounge and Memory Grid pods

Crowd has produced a number graphic system to identify the different pods and incorporated the Memory Grid logo where appropriate. This graphic strategy was presented in Report 23 and approved. The number system is based on the television screen pixel matrix. 21.05.03. On Wednesday 21 April Crowd Productions met with Super Screen to discuss fabrication of the identification stickers. Durability and crispness are key issues in determining the appropriate techniques for producing the stickers. C+C cut vinyl letterforms will be used for the text and adhesive transparent digital printing will be used for the Memory Grid device. Examples of the numbers and their relationship to the Memory Grid logo are shown.