

27

10.02.03



ACMI Screen Lounges: Progress report on design

From Crowd Productions: A report on progress and outline of research, design and construction work to 10.02.2003

01.] **Consultation with ACMI Stakeholders: A meeting with ACMI stakeholders and PIVoD.**

08.01.03. On Wednesday 08 January Crowd Productions met with ACMI stakeholders and PIVoD to discuss the progress of the Screen Lounge design and construction. Crowd Productions requested information from David Watson and Max Goode on the final selected touch screen in order to detail and dimension the Mantelpiece/Technology Boot shelving and internal structure. We were advised that the touch screen contractor had been selected or was in the process of final selection.

Michael Parry from PIVoD requested an internal arrangement for the Mantelpiece/Technology Boot that employed rack mounting ears for maximum flexibility and requested that existing drawings of the Mantelpiece be forwarded to PIVoD for consideration in the design detailing stage of the technology package. This has been done and preliminary discussions with John Philp have commenced [see below]. Crowd e-mailed the external dimensions of the Mantelpiece/Technology Boot to PIVoD for further detail design.

Both Victoria Lynn and Kim Montgomery requested a completion date for Screen Lounge and Memory Grid pods as they both have programs requiring the deployment of the Screen lounge/Memory Grid Lounge pods. Crowd Productions is waiting to be advised by ACMI of the final decision with regard to the audio delivery format to be used in the Screen Lounge and Memory Grid Lounges in order to finish detailing the interior panelling and cabling conduit design. Only when this has been completed can fabricators be fully briefed, the work properly costed, Request for Purchases made and a schedule of work written up in order to advise ACMI of a completion date. With regard to the atmospheric design detailing, Victoria Lynn and Kim Montgomery are keen to see the work of the photographer we have commissioned to develop the imagery for the Blisterpack memory wall in the Screen lounge pods.

02.] **Report on construction progress: Construction progress of the first production Screen Lounge frame and chassis.**

07.02.03. On Thursday 07 February Crowd met with Rob Ivanic of Riva Fabrications to review progress on the construction of the first production Screen Lounge. The construction of the chassis and skeleton is now well advanced. The support brackets for the Mantelpiece/Technology Boot and the beam seating are assembled along with the aluminium chassis to support the louvre wall. Details concerning the interior wall finish brackets, head rails, Mantelpiece/Technology Boot ventilation grid, interior wall finish brackets and exterior wall mesh panel fixings were discussed. In consultation with Riva it was agreed that we would meet again on Thursday 13 February by which time the louvre wall, external aluminium skin panels and beam seating support frame will be completed.





Documentation of the fabrication of 01 production Screen Lounge pod frame. Above: main frame assembly and fitting the mesh skin located behind the louvre wall.



03.] Report on construction progress: Construction of the Fibreglass patterns

07.02.03. On Thursday 07 February Crowd met with Oliver Jurga of Quality Fibreglass to review progress on the construction of the Fibreglass patterns and moulds. The patterns have been completed by Mothers Art and are now at Quality Fibreglass in preparation for the mould making process. The first fibreglass samples taken from the mould will be transported to Riva Fabrications to check for fit and connection detailing.



04.] Report on design progress: Design development of the Mantelpiece/Technology Boot.

Crowd has been in contact with Michael Parry and John Philp from PIVoD Technologies to discuss the design detailing of the Mantelpiece/Technology Boot. Crowd has sent to PIVoD the drawings of the Mantelpiece indicating size and location of the storage space for the touch screen, the fibre optic light driver and the user shelf. In discussion with John Philp issues such as the heat generation from the fibre optic light driver and general ventilation of the Mantelpiece were discussed. John felt that the internal arrangement might need

to accommodate some quite irregular setups. He will be discussing the technology requirements with Michael Parry on the week of February 10 and will give us a more detailed indication of the internal requirements late in the week. Crowd is intending to brief Riva Fabrications about the detailed design of the Mantelpiece late next week in our bid to maintain a production schedule that will see completion of the required pods within the March/April period.

05.] Report on design progress: Further refining of the Soona seating profile.

08.01.03. Crowd has reviewed the current design of the Soona with regard to the issue of providing the best headrest. The Soona has been modified to provide a better head rest and the seat support has been angled to increase viewer comfort. These modifications have been made to the Soonas in the current version of the on site mock-up prototype. This detailing has been transferred to the production unit 01 beam seating system.



Development of the Soona profile. From left: New arrangement, increased base angle, Soonas in place showing greater provision of head support.

06.] Report on construction progress: Detailing anchorage for the Plasma monitor wall mounting bracket.

07.02.03. Crowd Productions has been in contact with Matthew Mulcahy to discuss details of the AME Pioneer Bracket to attach the Plasma monitors to the walls of the Screen Lounge pods. Crowd now has dimensioned drawings of the bracket and will consult with Matthew on the details of the AME system so that we can prepare drawings for the anchorage points on the mild steel skeleton to go to Riva Fabrications.

07.] Discussion with fabricators and consultants: Selecting floor and wall surfaces.

08.01.03. Crowd Productions has met with Better Floors to discuss material options and fabrication techniques appropriate for the Screen lounge pod floors, coving and lower wall surfaces.

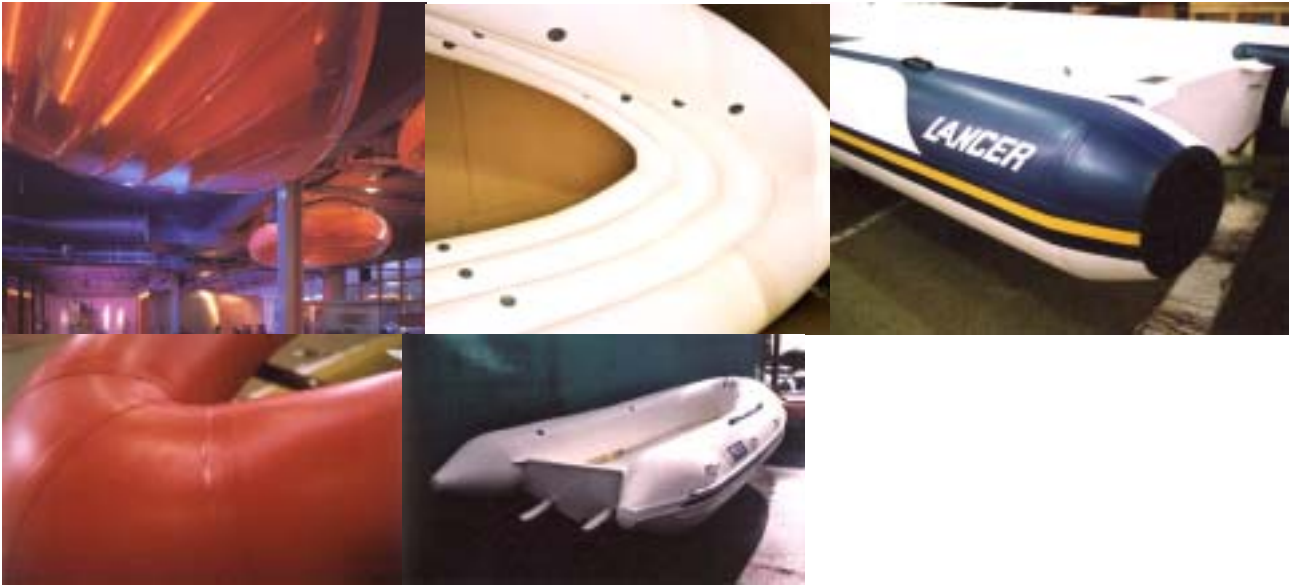


Floor surfacing ranges under consideration for the Screen Lounge pods and Memory Grid pods.

08.] Discussion with fabricators and consultants: Detailing the inflatable ceiling.

29.01.03. Crowd Productions met with Neil Curtling, director from Southern Pacific, Barry Pentecost, manager from Inflatable Boat Repairs and Ronald Winstone, technical director from Lancer Inflatable Boats and Structures in Auckland, all leaders and innovators in New Zealand's considerable inflatable boating and structures industry. We discussed fabrication and connection techniques in order to finalize the principal design for the inflatable ceiling element in the Screen Lounge pods. A series of new techniques and ideas were raised which has had a considerable impact on the design process. Lancer showed us their new Lock Track system for tying inflatable collars and structures to aluminium and fibreglass chassis. The system is very simple, effective and neat. Other fabrication techniques include processes for tapering and finishing inflatable structures to achieve very clean and predictable finished shapes. Crowd has also been searching for similar inflatable structures to the proposed Screen Lounge inflatable ceiling in order to verify some of our

design strategies. We have found inflatable light fittings in a recently completed nightclub in Bristol, England that clearly demonstrate the structural effectiveness of our proposed design.



From top left: Inflatable light fittings in Bristol nightclub, Souther Pacific inflatable collars, Lancer detailing. Below: Lancer Lock Track system components.



09.] A revised Timeline for prototyping and fabricating the Screen Lounges.

Here is the new time line for production of ACMI Screen Lounges from Crowd productions in response to a request for an amended job schedule on 04.02.03 by CMR. **This manufacturing and fabrication schedule is predicated on availability of technology packages and decisions by ACMI with regard to technology and design issues.**

NB: All dates subject to change based on client approval and subcontractor availability.

Time line /Job Schedule for ACMI Screen Lounges at 10.02.03

01.] PIVoD to provide Crowd with arrangement and spatial requirements for technology in Mantelpiece:	Friday 14.02.03
02.] ACMI to provide Crowd with arrangement and fixing requirements for Screen Lounge sound system	Friday 21.02.03
03.] Crowd completes fabricating frame of production Screen Lounge 01:	Friday 28.02.03
04.] Crowd provides ACMI with prototype of touch screen delivery system:	Friday 28.02.03
05.] ACMI to provide Crowd with arrangement and fixing requirements for Memory Grid camera and lighting:	Friday 28.02.03
06.] ACMI to provide Crowd with arrangement, spatial and fixing requirements for swipe card entry and locking system for Screen lounge pods:	Friday 28.02.03

07.] ACMI signs off on delivery arm prototype: Friday 07.03.03

08.] Crowd completes build fitout of production Screen Lounge 01: Friday 28.03.03

09.] Crowd completes build fitout of production Screen Lounge 02 [Memory Grid]: Friday 11.04.03

10.] Crowd completes build fitout of production Screen Lounge 03 [Memory Grid]: Friday 25.04.03

11.] Crowd completes build fitout of production Screen Lounge 04 [Games Lounge]: Friday 04.05.03

12.] Crowd completes build fitout of production Screen Lounge 05 [Games Lounge]: Friday 23.05.03
