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26.02.03



ACMI Screen Lounges: Progress report on construction

From Crowd Productions: A report on progress of research, design and construction work to 26.02.03

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

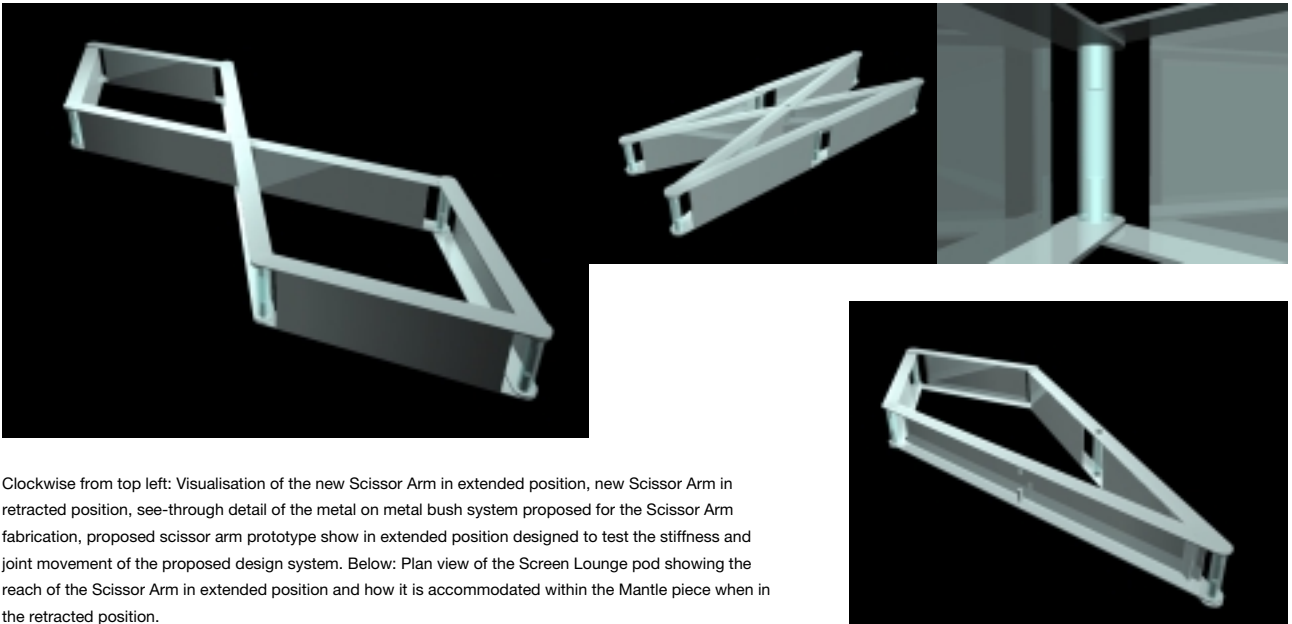
13.02.03. On Thursday 13 February Crowd met with Rob Ivanic of Riva Fab to review further progress on the construction of the first production Screen Lounge. The construction of the louvre wall has been completed. The seat supports and seating beam have been installed. Work proceeds on the Mantle Piece/Technology Boot and fabrication of the external skin.



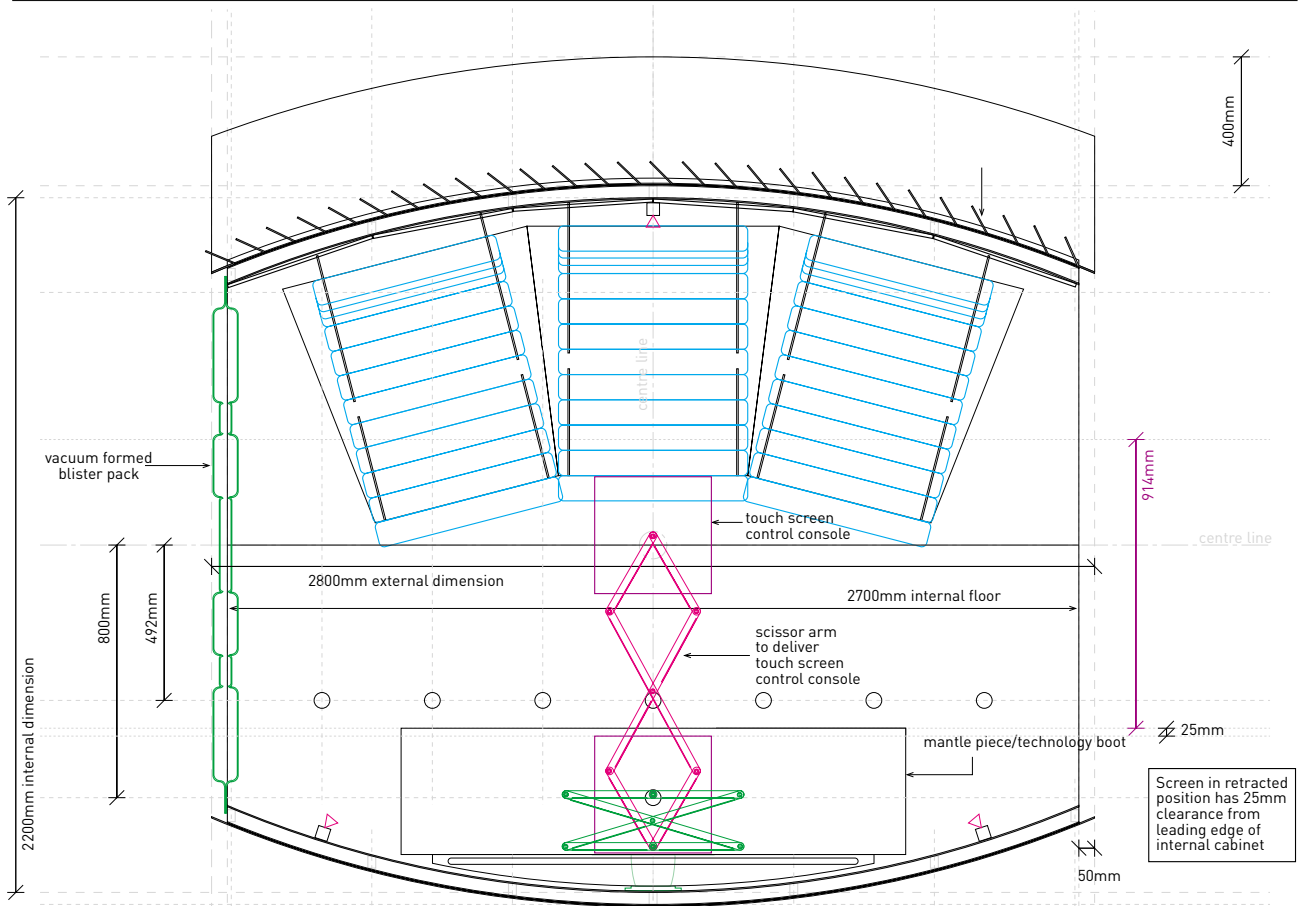
Clockwise from top left: Louvre array in place on the first production Screen Lounge pod, detail of the reflective inner surface of the louvre array showing the functioning of the discontinuous and fragmented porous surface as proposed in report 17, detail of the fixing of the louvre array to the steel skeleton, detail of the seating beam and it's floor fixing system, detail of the seating support frame, view of the complete frame.

02.] Report on the design progress: developing the touch screen delivery system.

13.02.03. Crowd has been in consultation with David Bates from Eric R Bates Engineering and Rob Ivanic from Riva Fab to discuss the design detail of the proposed Scissor Arm touch screen delivery system. The arm has been simplified to eliminate the primary sled and in discussion with our metal fabricator the arm design has been straightened out to facilitate fabrication and reduce cost. With David we detailed a long life wide load-bearing joint mechanism based on steel on steel bushes. The arm will be fabricated in stainless steel. We are now awaiting prices. Renders of the latest Scissor Arm design and the prototype arm are shown.

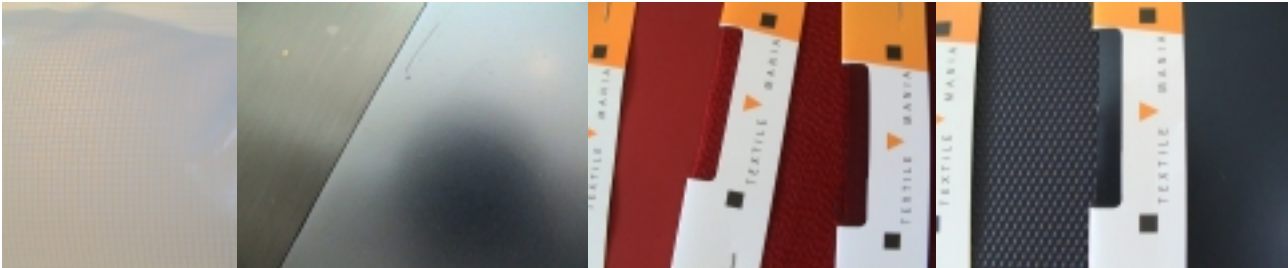


Clockwise from top left: Visualisation of the new Scissor Arm in extended position, new Scissor Arm in retracted position, see-through detail of the metal on metal bush system proposed for the Scissor Arm fabrication, proposed scissor arm prototype show in extended position designed to test the stiffness and joint movement of the proposed design system. Below: Plan view of the Screen Lounge pod showing the reach of the Scissor Arm in extended position and how it is accommodated within the Mantle piece when in the retracted position.



03.] Report on design progress: Preparation of a materials board for the Screen Lounge and Memory Grid pods

Work has begun on assembling all the material swatches for the finishes and surfaces proposed for the Screen Lounge and Memory Grid Lounge pods. We are awaiting fabric samples from suppliers, some of which are coming from overseas, to complete the board. The proposed colour palettes are as submitted to ACMI on page two of report 20, August 07, 2002. Thematically the colour is as previously discussed intended to reference the Red/Green /Blue additive colour synthesis operation of cinema and television. Blue will be used for the interiors of the Memory Grid pods, red for the open seater Games Lounge pods and green for the Screen Lounge pod. As previously visualised the exterior finishes and surfaces of the pods is in reflective colour-neutral materials to reflect and reinforce the architecture of the building. The Screen Lounge pod interiors are the focus of our colour usage projecting their presence through reflection from the outer surfaces.



04.] Report on design progress: Sourcing specifications and dimensions of the touch screen.

20.02.03. Crowd called David Watson with regard to the specifications and dimensions of the touch screen selected for inclusion in the Screen Lounge and Memory grid Lounge pods. Joy Woodford contacted us and on Friday 21.02.03 supplied us with the exact dimensions and a specification sheet. This data is critical in the dimensioning and designing of the Scissor Arm touch screen delivery system which we are hoping to be able to draw up which, in order to fit in the Mantle Piece requires the final dimensions of the selected touch screen along with its weight etc. so that we can then design a prototype arm to test the correct dimensions and performance and which we need to have costed prior to commencement of such construction and testing. On Monday 24.02.03 Joy again contacted us to say that the contracted screen can not currently support a touch screen interface and cannot therefore be used and she will advise us of an outcome as soon as it comes to hand.

05.] Report on commissioning progress for the ACMI SLP/MGP: Confirming a commissioning space at ACMI.

14.02.03. Crowd spoke with Gael McIndoe and Kim Montgomery about storage of the Screen Lounge and Memory Grid pods while the technology is commissioned and tested and the content delivery software is tested. We have proposed that the Screen Lounge pods and Memory Grid pods be delivered in an alternating sequence. In our discussion we agreed that if the Screen Lounge room adjacent to the bookshop is available, as we believe to be the case, this would be ideal. As the delivery of the Screen/Memory Grid Lounge pods will be staggered from the 28.03.03 to 23.05.03 we imagine that if each unit takes one month to commission then there could only be a maximum of four units in the room, which we know will fit. Additionally Gael and Kim have agreed to commissioning the content for the Memory Grid pods in the Memory Grid area again reducing the number of pods at any one time in the Screen Lounge room. Crowd then contacted Tony Batt for his input and authority to proceed with such a plan. We are awaiting his conclusion after appropriate internal consultation.

06.] Report on design progress: Conformation of the Mantle Piece/Technology Boot size and layout.

14.02.03. Crowd spoke to Michael Parry from pIVoD to ascertain whether the proposed design, size and internal layout of the Mantle Piece would accommodate the required PIVoD technology. Michael Parry in consultation with John Philips confirms that the current design will provide the space required. Wire mesh racks will be provided and a space between the rear wall and the shelving will be provided for cable ducting. The only equipment that Crowd Productions will install within the Mantle Piece will be the light driver, 120mm high x 120mm wide x 300mm long. On this basis we have commenced construction of the first Mantle Piece frame.

07.] Report on design progress: Detailing the sockets for the Screen Lounge audio system.

24.02.03. Gerry Nixon from Lake Technology has supplied Crowd with a sample of the proposed headphone jack to be installed beside each seat in the Screen Lounge and Memory Grid Lounge pods. In discussion with Gerry, Crowd has established that the jacks will be mounted behind and to the left of each seat [as seen in plan] as the chord for the headphones comes from the left hand side.

08.] Further consultation on lighting in the Screen Lounge pods.

25.02.03 In consultation with our senior lighting advisor Kevin Poulton we have discussed the development of the lighting systems within the Screen Lounge pods including the floor lighting in the complete Screen Lounge pod and Memory Grid pods. These lights will be driven will be driven by the fibre optic light driver. The floor lights are designed to sit in the same channel as the beam-seating frame to allow the reconfigurable pods to easily accommodate reformatting when required. With Kevin Poulton we are detailing the floor lights so that they are modular and removable. The two open seater Lounge pods will not have floor lights or a light diver.

09.] Development of the Blister Pack Memory wall.

25.02.3. Crowd has met with Peter Jones, Director of Skytec plastics to discuss fabrication of the acrylic Blister Pack panels. Skytec specialise in the optical properties of moulded plastics. Detailing was discussed with regards fabrication of the pattern and press tools required to form up the shape we desire. In moulding the Blister Pack form the control of the surface and controlling any distortions is paramount. We are awaiting a quotation from Skytec to do this work.