**FILE NOTE**

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Project Hull 2017, ‘Zephyr’/Nayan Kulkarni

Meeting 4th May 2016

Location Queen Alexandra Docks, Hull

Purpose Briefing with Siemens

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Present Chris Clay, Hull 2017 CC

Andrew Knight, Hull 2017 AK

Finbarr Dowling, Siemens FD

Mike Milledge, Siemens MM

Nayan Kulkarni NK

Richard Bickers, ARUP RB

Javed Hussein, ARUP JH

Circulation Sam Hunt, Hull 2017

Hazel Colquhoun, Hull 2017

AK set out the rationale and ambitions of the “Zephyr” installation in Hull City Centre and all agreed that it was an exciting and challenging public artwork proposal. He confirmed that for the time being the vision was for the blade to be moved and installed on Sunday 1st January 2017.

FD described the production of a blade as a handmade, crafted object which is also the longest single cast structure in the world. The blade will be made in Siemen’s Aalborg factory and very likely to be made by trainees from Hull. It is likely to be produced around July 2016 and delivered to Queen Alexandra Docks on 12th September 2016.

FD said that he will confirm Siemen’s approval to loan the blade for 3 months to Hull UK City of Culture 2017. Following approval, Siemens will be able to transport the blade from Denmark to Queen Alexandra Docks in Hull and also transport from the docks to a position (yet to be agreed) in the city centre. Removal and reinstallation of street furniture and lighting columns, etc., to facilitate movement to be undertaken by others.

**Action: FD to confirm Siemens’ commitment.**

**Action: NK, AK, CC, JH to identify preferred location for installati****on.**

**Action: NK to considering Zephyr installation.**

Siemens have an existing agreement in place with ALE to provide specialist transport/hauler support and will instruct them to work with the team to identify appropriate delivery routes into the city centre.

MM provided drawings showing the dimensions to be considered during transportation and installation. MM said the blade is circa 30 tonnes and a delivery speed of 5mph should be considered using the Siemens tractor and steerable trailer (pictures tabled).

**Action: MM to line up ALE to identify transport routes for delivery and collection.**

FD said that the effect of wind needs to be considered. RB said that Arup had a wind expert that can be called upon to consider the effect of wind during the operational phase.

Cradle supports can be loaned by Siemens. Others will need to provide plinth/supporting structure.

AK suggested that the “Zephyr” would be a co-commission between Hull UK City of Culture 2017 and Siemens. It was noted that all details relating to the display of the blade, including specifications, designs, RAMS etc., would be signed off by Hull 2017 and Siemens.

FD said that Siemens insurances will not cover the blade whilst on loan. CC confirmed that Hull City of Culture 2017 had its own insurances and will cover the blade whilst on loan.

**Action: CC to confirm liability/insurance arrangements.**

In summary, Siemens will (subject to approvals) undertake the following:

* Transport blade from Denmark to Queen Alexandra Docks, Hull.
* Transport blade from Queen Alexandra Docks to Hull City Centre (exact location yet to be agreed) and handover.
* Collect and transport blade from city centre location to return location at Queen Alexandra Docks.

Hull UK City of Culture 2017 to arrange for the following:

* Alteration, removal and reinstallation of street furniture, lighting columns, etc. to provide clearance along route during transport.
* Plinth/supporting structure.
* Security.
* Maintenance.
* Lighting.
* Risk Register.
* Access for Siemens to collect blade at the end of the loan.
* Liability/insurances.