

By Email

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FAO: Kerry Greeves Arup

19th November 2018

Dear Kerry,

Chapel Down Gin Distillery, Kings Cross: Kitchen Pod Foundation

As our telephone conversations and emails we write to summarise the basis of the structural engineering design undertaken for the Kitchen Pod foundation at the above named development.

Total loading from the Kitchen Pod (336kN) has been taken from the pod supplier's drawing KP18220-LD dated 10/12/18. This load has been used in the design of the raft foundation to establish the bearing pressure acting at the underside of the raft. This pressure has then been spread at 45 degrees down through the supporting soils (ignoring any existing slabs that may further spread the loads) to establish a loaded area at the point the load would first contact the assumed back of the canal wall. At this level, the UDL is approximately 8kN/sqm, which we believe is less load than the canal wall would have been subjected to in the past (10kN/sqm minimum), given that the site was previously a petrol station with a hardstanding that extended up to the back of the canal wall along the majority of the wall length. We also understand that in the location of the Kitchen pod there was previously a car-wash and water recycling tanks.

We trust the above is self-explanatory but please do not hesitate to contact me if further clarification is required.

Yours sincerely

James Thomas

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Technical Director

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Encs: MLM Loading Plan Sketch



Date:

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Name:

Company Name:

19th November XXXX

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Chapel Down Gin Distillery MLM Consulting Engineers Ltd

