Appendix B

Preliminary site assessment of existing steel gantry

PRELIMINARY SITE ASSESSMENT

OF

EXISTING STEEL GANTRY

AT

Sydney Harbour Common User Services Park, White Bay NSW

For

BAILEYS MARINE

Prepared by

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Ref: AUS02-16013_Report1revA

Mr Tim Crosland
c/o Allen Jack + Cottier Architects
79 Myrtle Street,
Chippendale NSW 2008

12th August 2015

Attention: John Whittingham

Dear John,

RE: PRELIMINARY STRUCTURAL ASSESSMENT OF EXISTING STEEL GANTRY FOR PROPOSED CANTILEVERED AWNING ROOF STRUCTURE AT SYDNEY HARBOUR, WHITE BAY 6

CLIENT: Baileys Marine Fuels
SITE: Sydney Harbour Common User Services Park, White Bay NSW

As per instructions, Geotron Pty Ltd have carried out a *preliminary* structural assessment of the existing steel gantry located on the above mentioned site for the purposes of developing the proposed concept to utilize the gantry to support a cantilevered roof structure.

A site visit was carried on site on 28th July 2015 of the steel gantry to generally view the existing structure and the site conditions, however this is not a detailed site condition report. The general observations were made from the ground level only.

BACKGROUND

The existing steel gantry constructed in the 1960's for the operations of the international containerised shipping service, is now disused as a gantry. The height of the gantry is in the order of approximately 18 to 20metres high above pavement level and runs almost approximately 250m along the White Bay site which extends from the existing White Bay Cruise Terminal located to the West of the subject site.

It is noted that the recently completed (2013) existing building for the White Bay Cruise Terminal has utilized the same steel gantry as a significant structural component for that development, refer to photographic images below in Appendix A.

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GENERAL OBSERVATIONS AND RECOMMENDATIONS

The steel gantry is a significant structure located on the subject site and generally appears to be in good and sound structural condition.
However there are minor maintenance requirements and repairs that would be recommended for example - the steel stairs, some existing girts, some bracing members and other components (refer photographs below in Appendix A), and however, the detail is outside the scope of this report.

The major structural components appear to be in reasonable structural condition suitable for the proposed cantilevered roof structure.

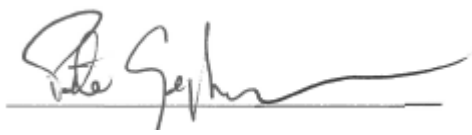
An initial preliminary structural assessment has found that the main structural components would be adequate to support the proposed cantilevered roof given the proposed wind and dead load regime.
This initial assessment is subject to a final detailed wind and structural analysis of the existing gantry and hence the concept design is subject to change. With access to all existing drawings, a comprehensive assessment shall be made prior to final design and construction phases.

However, further to the above, as per our observations, given that the existing White Bay Cruise Terminal has utilized the gantry, even though the proposed cantilevered roof structure is different to the Terminal building, one may conclude that the existing gantry has provided proven structural support for this building.

Hence we do not see any structural reasons why the proposed use of the steel gantry cannot be used as a primary supporting structure for the proposed cantilevered awning.

If you have any queries please do not hesitate to contact the undersigned.

Kind regards



Peter Geoghegan BE (Hons) MIEAust CPEng RPEQ
Managing Director
GEOTRON Pty Ltd

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APPENDIX A

PHOTOGRAPHS

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PHOTO 1: Existing Steel Gantry location for proposed Cantilevered Roof – Southern Gantry

IMAGE 2:Existing steel gantry used integrally at White Bay Cruise Terminal - image by others

IMAGE 3:Existing steel gantry used integrally at White Bay Cruise Terminal - image by others

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PHOTO 4: Existing Steel Gantry in location of proposed Cantilevered Roof (Southern Gantry)

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PHOTO 5: Existing Steel Gantry columns in location of proposed Cantilevered Roof

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PHOTO 6: Existing Steel Gantry girts in location of proposed Cantilevered Roof

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PHOTO 7: Existing Steel Gantry bracing cut in location of proposed Cantilevered Roof

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