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11/10/2018

Hilrok Properties Pty Ltd
27 The Corso
MANLY NSW 2095

ATTN: TIM PETERSON

Ivanhoe Hotel, Manly - Acoustic Advice for Revised Shopfront Scheme

This letter presents the results of a review of the proposed revised shopfront scheme for the ground floor areas of the Ivanhoe Hotel at 27 The Corse, Manly.

It is proposed to upgrade the existing façade on ground level along the southern façade of the development, to improve the accessibility and aesthetics. The southern façade of the development currently provides access to the following areas on ground level;

- Bottle Shop
- Main Entry
- Sports Bar

We have been advised that no change to the current operations are proposed, i.e.;

- Total patron capacity will remain the same.
- No change to current operating hours.
- No change to current operations of operable elements of façade.

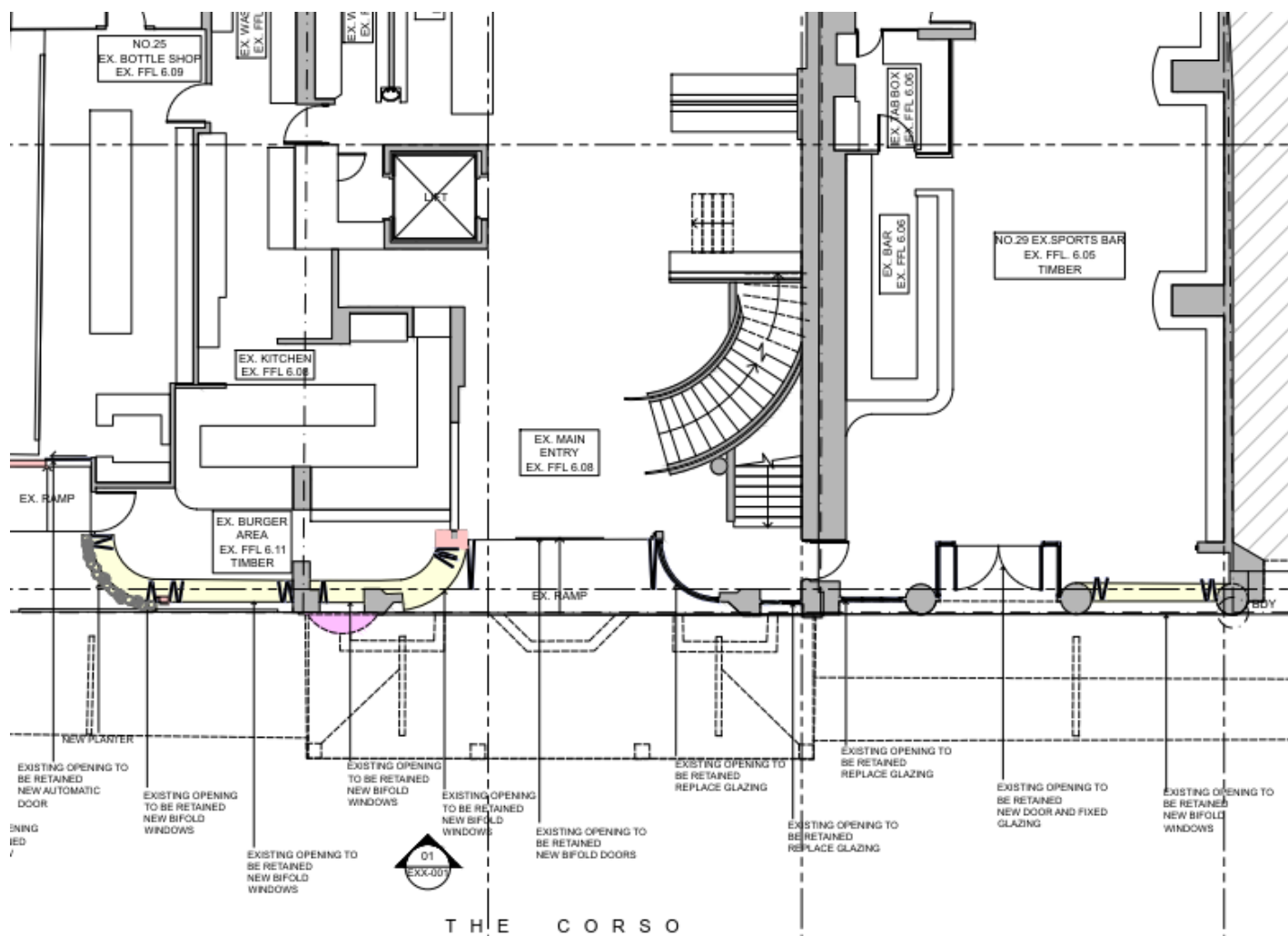
The following changes are proposed to the existing façade;

SYDNEY
A: 9 Sarah St
MASCOT 2020
T: (02) 8339 8000

SYDNEY MELBOURNE BRISBANE CANBERRA
LONDON DUBAI SINGAPORE GREECE

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We recommend the following minimum constructions and management controls;

- All façade glazed elements must be of the same construction of existing or better (10.38mm laminate or 12.38mm laminate). Additionally, full perimeter rubber acoustic seals must be installed to all new bi-fold, sliding and hinger doors.
- New decorative timber cladding to be of the following minimum construction;
 - External timber cladding + 92mm steel studs with 75mm thick 24kg/m³ density glasswool insulation + 1 x 13mm plasterboard internally.
 - This section of the façade will perform better than the existing single glazed elements.
- **Bottle Shop**
 - Part of fixed façade is proposed to be replaced with operable bi-fold doors. These doors must remain close at all times between 6pm – 7am.
 - All other operable elements of the façade to maintain operations as existing.

- **Main Entry**
 - Existing hinged double doors is proposed to be replaced by bi-fold doors. Operations of this element (i.e. open or close) of the façade must not change.
 - Existing fixed façade to the west of the entry door is now proposed to be replaced by operable bi-fold doors. These doors must remain close at all times between 6pm – 7am.

- **Sports Bar**
 - Double entry doors to be relocated to location of existing bi-fold doors. Operations of the entry door (i.e. open or close) must not change.
 - New operable bi-fold doors are proposed at the location of original double entry door. Operations of these doors (i.e. open or close) must follow the current operations of bi-fold doors to this area.

Provided the recommendations and management controls detailed above are implemented in full, we confirm no change to the existing noise emissions from the Ivanhoe Hotel as a result the proposed revised shopfront scheme.

We trust this information is satisfactory. Please contact us should you have any further queries.

Yours faithfully,



Acoustic Logic Consultancy Pty Ltd
Yogendra Kalkunte