APPENDIX F

WIND CONSULTANT LETTER

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November 5, 2020

Daniel Moats
Senior Associate
Architects Hawaii Limited
733 Bishop Street, Suite 3100
Honolulu, HI 96813
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Re: Pedestrian Wind Conditions
Ward Village Block F
Honolulu, Hawaii
RWDI Reference No. 2002154

Dear Mr. Moats,

Rowan Williams Davies & Irwin Inc. (RWDI) has been requested by Architects Hawaii Limited to conduct wind tunnel studies for the pedestrian wind conditions on and around the proposed Ward Village Block F development in Honolulu, Hawaii.

The proposed development includes a 42-story residential tower with a separate garage structure, bounded on the North by Pohukaina Street, on the East by Kamani Street, on the South by Auahi Street and on the West by private lands. Winds around the proposed development will be simulated in one of RWDI's boundary-layer wind tunnels for the existing and proposed building configurations by using a scale model of the study building and its surroundings. The wind study will focus on frequently used pedestrian areas such as main entrances, sidewalks and outdoor seating areas at grade level. Wind tunnel measurements for 36 wind directions will be taken at key pedestrian areas, and will be combined with the long-term weather data collected from the nearby Honolulu International Airport to predict the wind speeds and frequencies in full scale. These data will then be compared with the RWDI wind comfort and safety criteria to determine if they are appropriate for the intended usage of the pedestrian areas on and around the development.

Immediately following the wind tunnel tests, a report will be issued to summarize our main findings through tables and figures. Wind mitigation measures will be provided for areas where higher-than-desired wind speeds are detected.

Respectfully submitted by:

Analene Belanger

Analene Belanger, P.Eng., PMP
Principal / Senior Project Manager
RWDI