

December 19, 2017

PROJECT #16021

Current Planning Rezoning Centre

City of Vancouver
453 West 12th Avenue
Vancouver BC
V5Y 1V4

Attn: Michelle Yip
cc: Danielle Wiley

RE: 708-796 Renfrew Street – Certified Passive House Designer

To whom it may concern,

Under the City of Vancouver's Green Buildings Policy for Rezoning, which applies to our proposed project at 708-796 Renfrew Street, our client has opted to pursue "Pathway A" and have the building designed to meet Passive House requirements and apply for certification. To inform our design toward meeting these standards and requirements, Rodrigo Cepeda (GBL Architects) will join the project design team, and will act as the certified Passive House designer on the project. Mr. Cepeda has been a certified Passive House designer since 2015, and has served as project architect in the development of several high-standard sustainable buildings within Vancouver, including (most recently) social housing for Vancouver Affordable Housing Authority at 55-79 Marine Dr., and a Rental 100 building at 3070 Kingsway, among others. We have hired Integral Group to act as our sustainability consultant on the project, providing us with energy modelling and sustainability services.

The PH design criteria for the project have been determined to be the following:

1. Specific annual heat demand = 15 kW·h / m²·yr
2. Peak specific heating load = 10 W / m²
3. Specific annual cooling demand = 15, Excess temperature frequency = 10%
4. Specific annual primary energy demand = 120 kW·h / m²·yr
5. Specific annual primary energy renewable = 60 kW·h / m²·yr
6. Building air tightness = 0.6 air change / hour

GBL ARCHITECTS

139 EAST 8TH AVENUE
VANCOUVER, CANADA V6J 2C9
T 604 736 1156 INFO@GBLARCHITECTS.COM
F 604 731 5279 GBLARCHITECTS.COM



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The design strategies we are currently considering at this early stage in the project development to achieve Passive House certification include, but are not limited to, high efficiency insulation, solar shading, heat recovery, and a high level of consideration for airtightness and thermal bridging.

This letter shall confirm Mr. Cepeda's role as Passive House designer and integral member of the project design team moving forward. As such, we are confident our project will comply with the requirements of the City of Vancouver's Green Building Policy for Rezoning, as amended by Council on April 28, 2017.

Sincerely,

RODRIGO CEPEDA

M. ARCH, M.A.S.A, LEED AP B+C, CERTIFIED PASSIVE HOUSE DESIGNER

rcepeda@gblarchitects.com

604.736.1156

gbl

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