



---

KUBE ARCHITECTURE 818 18th ST. NW WASHINGTON DC 20006

T: 202.986.0573 DATE: 09.09.21

TO: BZA

FROM: KUBE Architecture

RE: Summary of Shadow Study results

To Whom it May Concern:

We (KUBE Architecture, agent for Michael & Cathryn Siemer, owners of 921 G St. SE) would like to offer a summary of the results shown in the uploaded shadow study. To help demonstrate that the proposed dogleg infill and 5 ft. rear addition of the 1st and 2nd floors of the property at 921 G St. SE would not unduly impact the light and air of the neighboring properties, we did a simple shadow study at Ms. Brown-Roberts suggestion, with renderings that show the shadows at various points throughout the year.

We found that the dogleg infill and addition, since it is rather small in footprint, does not add very much shadow to the neighboring buildings. The main building in question would be the property at 919 G St. SE, which is adjacent to the dogleg that we are proposing to fill in. We found that our proposed changes will cause some additional shadow to fall on the neighboring property, but only for a short period of time in the morning. The additional shadow, as shown in the renderings, often does not fully cover the windows of the neighboring property and does not amount to much additional shadow when compared to what already occurs with the existing conditions. The amount of shadow and location varies somewhat throughout the year, but we have found that by 12pm on any day, there is basically no shadow caused from 921 G st. falling on 919 G St., and the additional morning shadow is very minimal.

It is also worth mentioning that there are many large trees in the rear yards of the properties on this block, that in affect