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March 10, 2022

To whom it may concern:

Re: 1500 D ST SE  
Sun/shadow study

1) The sun/shadow study is set up to be read right to left. One can follow the sun's path from morning until evening and see how the cast shadows move throughout the day.

Each sheet represents a particular date. Diagrams of existing conditions are at the top of the sheet and diagrams of proposed conditions (at the same date and time) are at the bottom of the sheet.

Note: The following diagrams; 9.21-4 pm existing, 12.21-9 am & 4 pm existing and 12.21-9 am proposed, show a darker background condition. This is an error in the rendering (coloring) of the diagrams and does not effect the shadows shown. The shadows are darker and can still be clearly read against the roof.

2) Section 01. The section was drawn to show that even when the sun is in line to cast a shadow due east, the proposed addition is only increasing the shadow by a nominal amount.

Note: there is an existing knee wall on the deck. The solid line from the sun shows where this wall begins to produce shadows to the east. The dashed line from the sun shows where the proposed additions roof peak begins to produce shadows to the east. This shows a different condition than what may be imagined by simply saying that an addition of so many vertical height is being added to the building.

Thank you.

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