GREEN DESIGN & CONSTRUCTION CHARACTERISTICS
Husted Commons
New Canaan, Connecticut
August 17, 2020

SITE
1. The site is fundamentally green, located within walking distance to Town and to regional public transportation.
2. The redevelopment of an existing, improved site helps to limit other potential more detrimental development in more remote areas, thereby protecting natural resources.
3. The site has been fully-developed to accommodate all storm water impacts.

THERMAL PROVISIONS
1. The building will be insulated with open-cell spray-foam insulation.
2. The building core areas are all exterior, limiting circulation areas that otherwise would require heating and cooling.

FINISHES
1. All paints will be low-VOC to ensure the highest air quality and limit off-gassing.
2. MDF, if used, will be formaldehyde free to ensure the highest air quality and limit off-gassing.
3. The building is largely constructed of natural, renewable materials, whether it be structural studs and rafters or wood siding. Masonry products are used in intentional but limited ways, to limit the impact of material usage with large embodied energy.

MEP DESIGN
1. We expect that the heating and cooling will be done via 95%-efficient gas-fired furnaces. In the result gas will still not be available, we will be using 16 SEER high-efficiency electric heat pumps.
2. If gas is available, we will use tankless 95%-high-efficiency water heaters. These on-demand units limit idle heating time and associated energy usage.
3. All lighting fixtures will be energy star rated and LED fixtures will be used throughout the building.
4. All garage/ common area lighting will have energy star ratings, be LED, and will have an automated energy conservation lighting control system.
5. Exterior lights will be specified to limit light leakage.
6. The owner has committed to studying the use of solar power on the roof, but given site orientation, expectations are modest that it may work.