

BEZONNINGSSTUDIE APPARTEMENTEN CHURCHILLWEG WAGENINGEN 21-07-2022

GAAV

architectural engineers

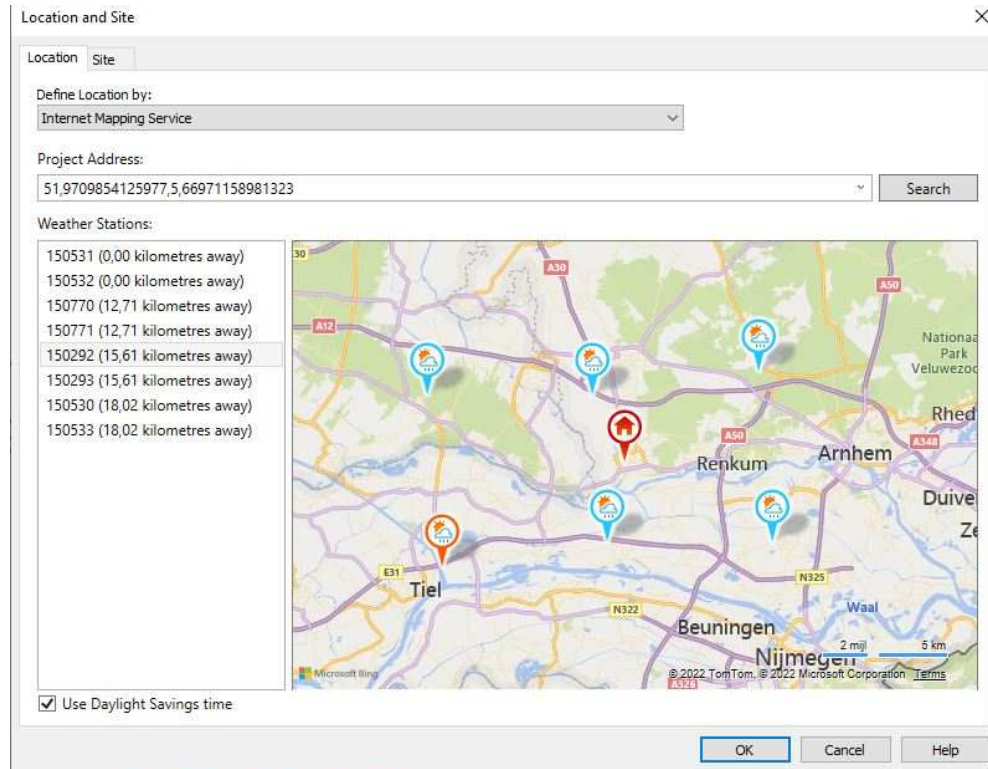
GAAV bv
Eglantierlaan 3
7329 AN Apeldoorn
055-5421922
info@gaav.nu

Inleiding

GAAV bv is gevraagd om de zon- schaduw effecten uit te zoeken in verband met de geplande nieuwe appartementengebouw aan de Churchillweg, de Harnjesweg en de Spelstraat in Wageningen.

Op de locatie van de nieuwe gebouwen worden bestaande gebouwen gesloopt.

De ingevoerde locatie is in onderstaande afbeelding aangeduid met het rode huisje.



Uitgangspunten

Bij de uitgevoerde zon schaduw berekening is uitgegaan van de navolgende gegevens.

- Het BAG bestand van het terrein en de opstallen
- Tekeningen nieuwe situatie van de appartementen

Programmatuur

De bezonningsstudie is uitgevoerd met de Solar Study in het modelleerprogramma Revit 2022. Aan de hand van de onderstaande input worden de zon- schaduw effecten doorgerekend.

Tijdstip metingen

Onderstaand de gehanteerde meettijdstippen.

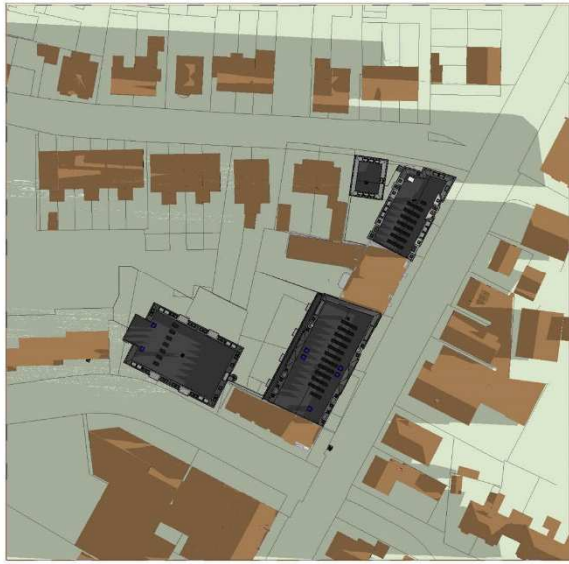
De meettijdstippen variëren vanwege het verschil in de zonsopkomst en de zonsondergang op de verschillende data.

Datum	Meet tijdstippen
21 maart	8.00 tot 18.00 uur. Met intervallen van 2 uur.
21 juni	8.00 tot 20.00 uur. Met intervallen van 2 uur.
21 september	8.00 tot 18.00 uur. Met intervallen van 2 uur.
21 december	10.00 tot 16.00 uur. Met intervallen van 2 uur.

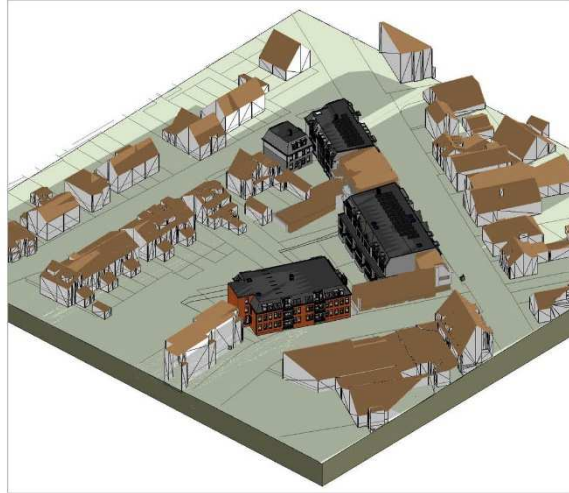
Door het bekijken van deze tijdstippen wordt de zon- schaduw werking in dit onderhavige geval voor het gehele jaar verduidelijkt.

21 maart blad 1

[1 of 13] [March 21, 2023 - 08:00]



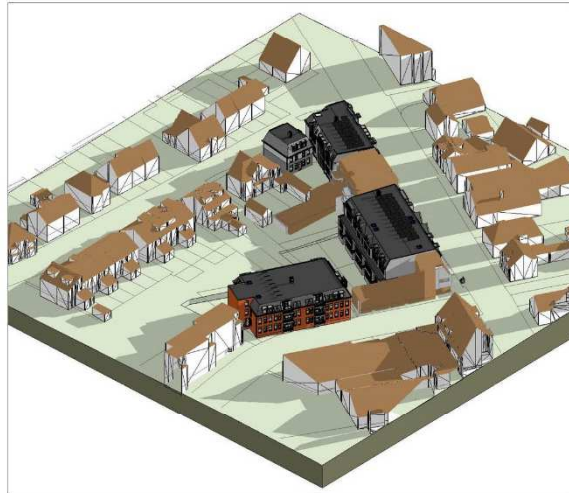
[1 of 13] [March 21, 2023 - 08:00]



[3 of 13] [March 21, 2023 - 10:00]



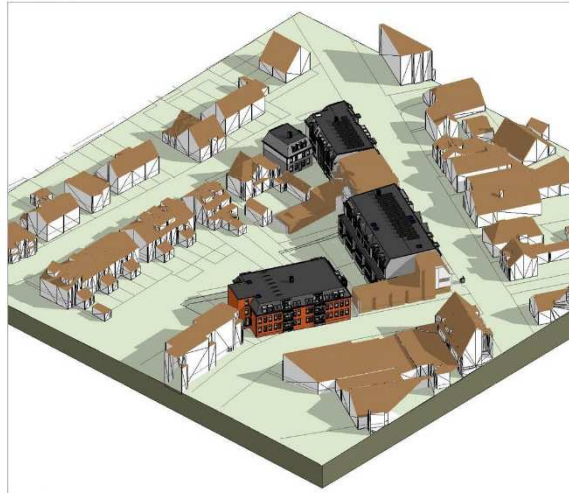
[3 of 13] [March 21, 2023 - 10:00]



[5 of 13] [March 21, 2023 - 12:00]



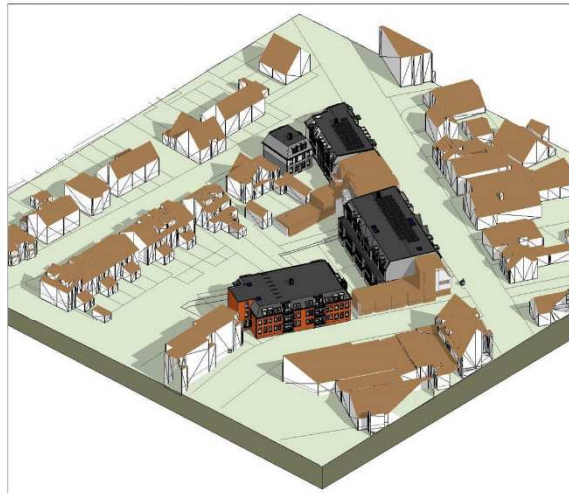
[5 of 13] [March 21, 2023 - 12:00]



[7 of 13] [March 21, 2023 - 14:00]



[7 of 13] [March 21, 2023 - 14:00]

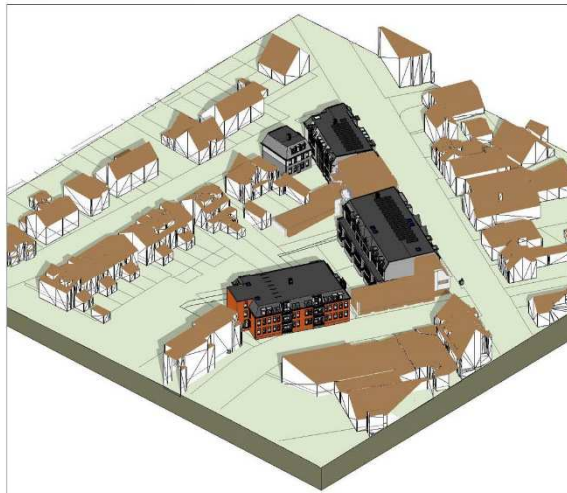


21 maart blad 2

[9 of 13] [March 21, 2023 - 16:00]



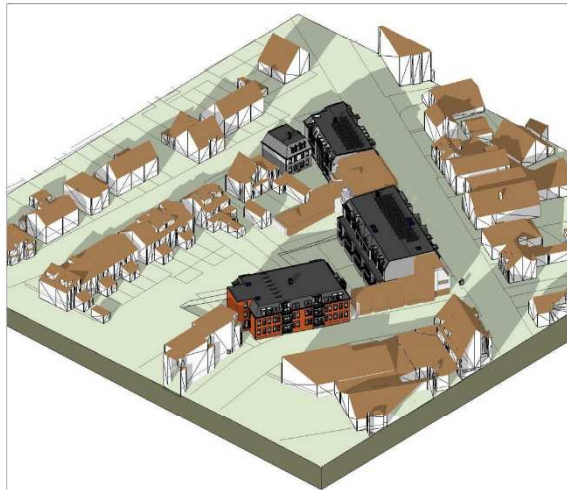
[9 of 13] [March 21, 2023 - 16:00]



[11 of 13] [March 21, 2023 - 18:00]



[11 of 13] [March 21, 2023 - 18:00]

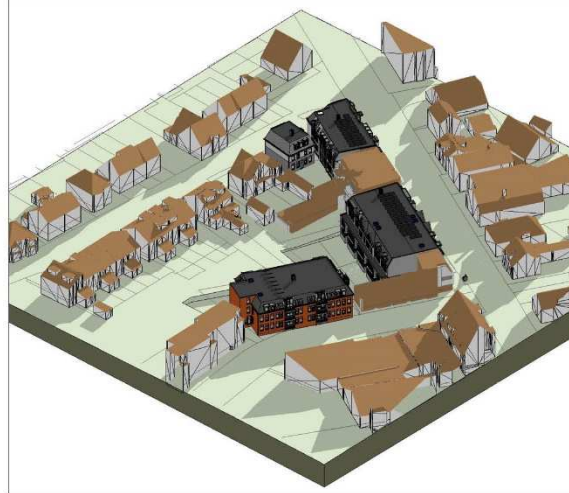


21 juni blad 1

[1 of 13] [June 21, 2023 - 08:00]



[1 of 13] [June 21, 2023 - 08:00]



[3 of 13] [June 21, 2023 - 10:00]



[3 of 13] [June 21, 2023 - 10:00]



[5 of 13] [June 21, 2023 - 12:00]



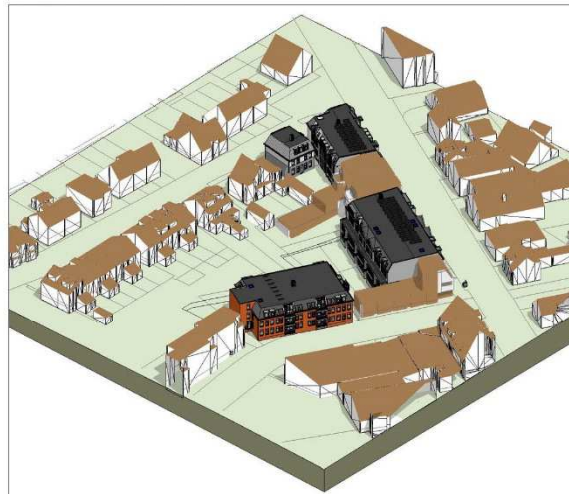
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[7 of 13] [June 21, 2023 - 14:00]



[7 of 13] [June 21, 2023 - 14:00]

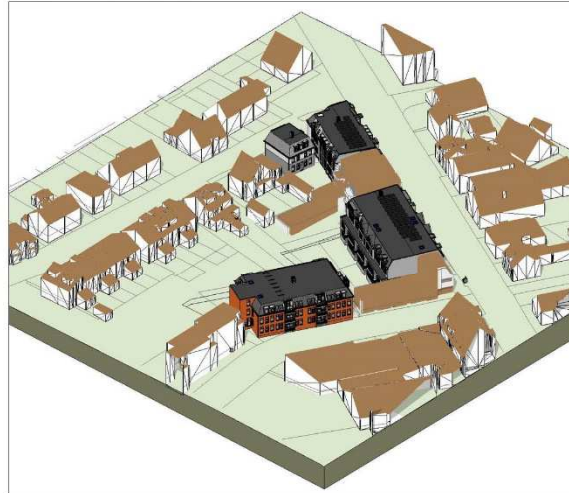


21 juni blad 2

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[9 of 13] [June 21, 2023 - 16:00]



[11 of 13] [June 21, 2023 - 18:00]



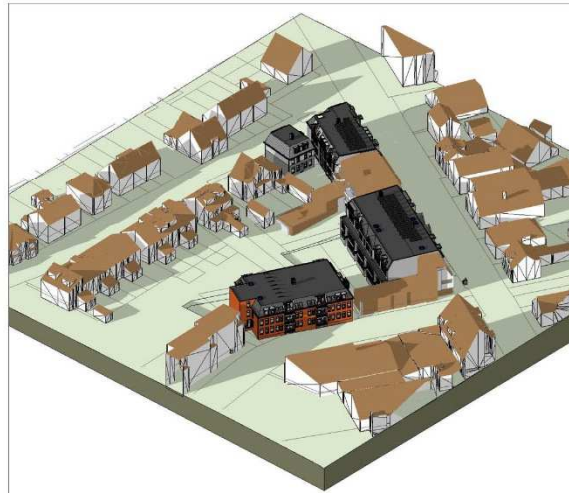
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[13 of 13] [June 21, 2023 - 20:00]

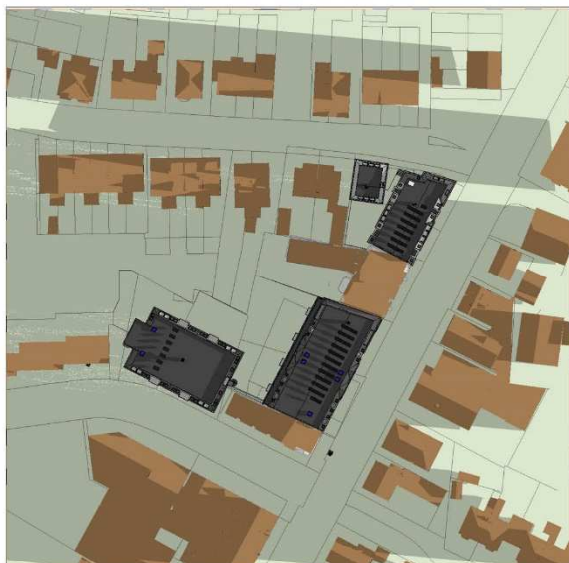


[13 of 13] [June 21, 2023 - 20:00]

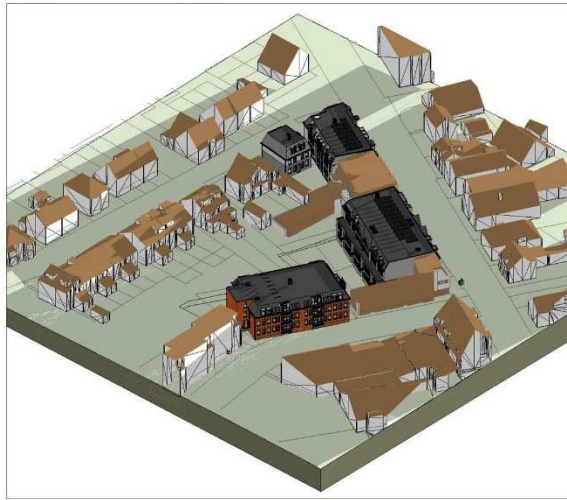


21 september blad 1

[1 of 13] [September 21, 2023 - 08:00]



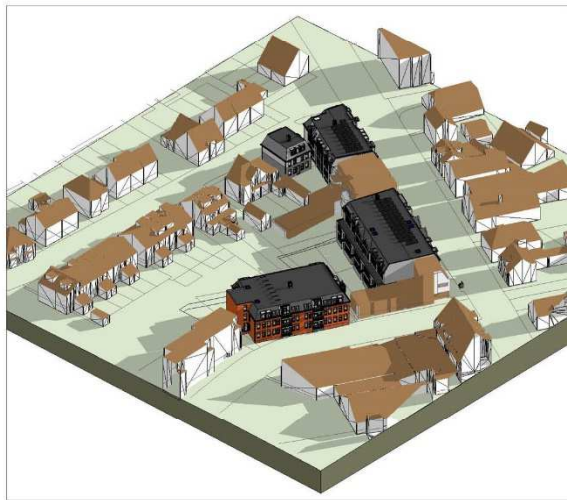
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[5 of 13] [September 21, 2023 - 12:00]



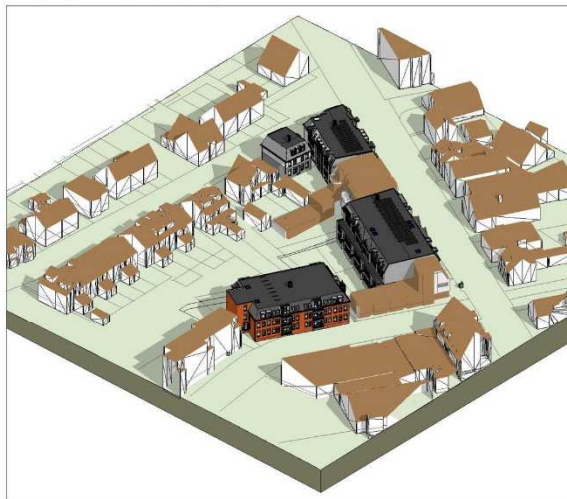
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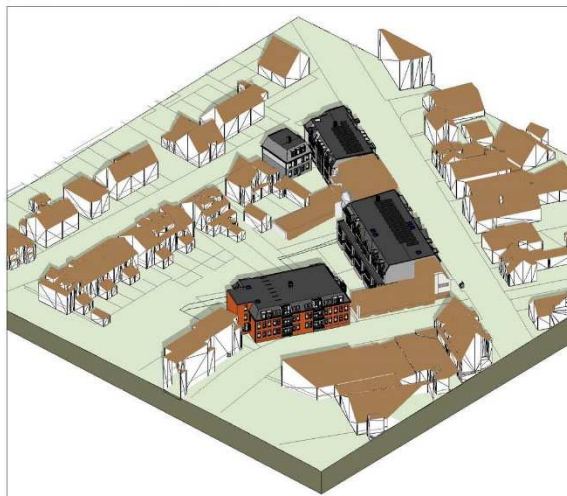


21 september blad 2

[9 of 13] [September 21, 2023 - 16:00]



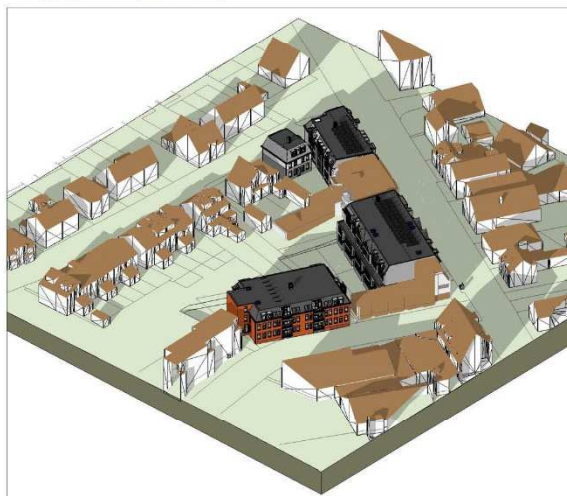
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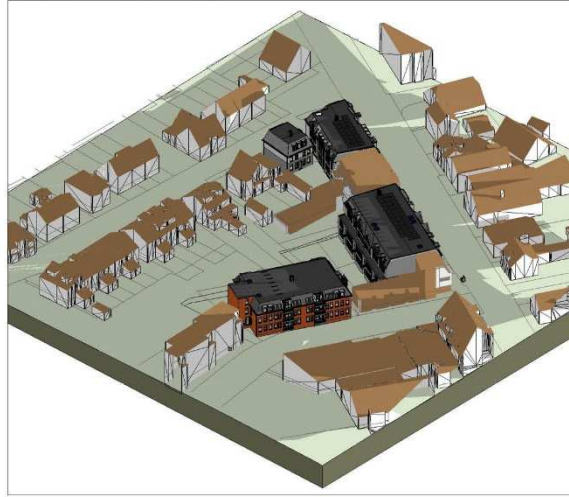


21 december

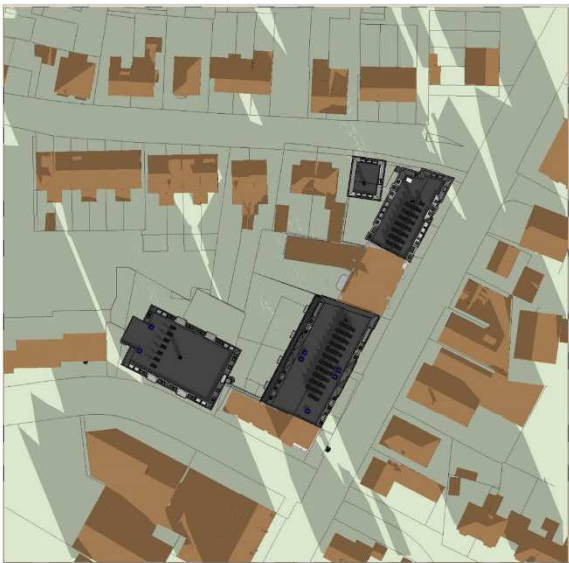
[3 of 13] [December 21, 2023 - 10:00]



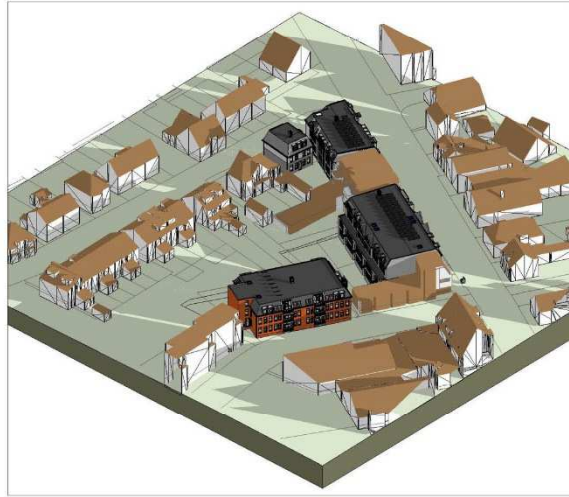
[3 of 13] [December 21, 2023 - 10:00]



[5 of 13] [December 21, 2023 - 12:00]



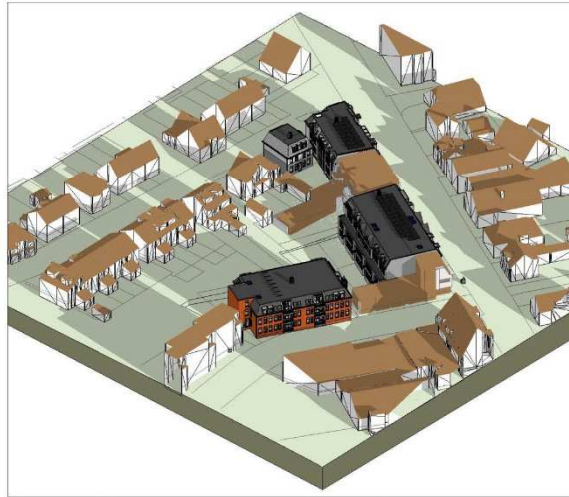
[5 of 13] [December 21, 2023 - 12:00]



[7 of 13] [December 21, 2023 - 14:00]



[7 of 13] [December 21, 2023 - 14:00]



[9 of 13] [December 21, 2023 - 16:00]



[9 of 13] [December 21, 2023 - 16:00]

