



## **Nieuwbouw Gasthuis te Goes**

Betreft: Bezonningsstudie  
Plaats: Goes  
Datum: 29-08-2018; gew. 03-09-2018  
Ref.: 13.120.011

Voor de bezonningsstudie zijn beelden gemaakt met de volgende uitgangspunten:

- 19 februari en 21 oktober (volgens TNO-norm)
- bestaande toestand bebouwing en nieuwe toestand bebouwing volgens bestemmingsplan d.d. 07-06-2018
- er is geen rekening gehouden met schaduw van (bestaande) bomen
- als situatie / plattegrond
- als gevelbeeld betreffende woningen (schaduw op gevel)
  - Kievitlaan 21-33
  - Kievitlaan 35-47

Conclusie/bevindingen:

- Op de woningen aan de Oude Singel en de Heernisseweg heeft de schaduw van de Nieuwbouw geen invloed. Deze zijn dan ook niet uitgewerkt. De woningen hebben schaduw als gevolg van bestaande bebouwing die gehandhaafd blijft in de nieuwe situatie.
- Op de woningen aan de Kievitlaan 21-33 en 35-47 heeft de schaduw van de nieuwbouw wel invloed, deze zijn verder uitgewerkt als gevelbeeld.
- De verschillen van de schaduw op 19 februari en 21 oktober zijn te verwaarlozen.
- Het tijdstip waarop de gevels in de zon komen is in de nieuwe situatie ongewijzigd t.o.v. de bestaande situatie.

Zonuren op voorgevel (kozijn woonkamer) bestaand en nieuw op 19 februari en 21 oktober:

Kievitlaan nummer.	bestaand schaduw op voorgevel in uren zon	nieuw schaduw op voorgevel in uren zon	verschil schaduw op voorgevel in uren zon
21	4,5	3,5	-1,0
23	4,5	3,5	-1,0*
25	3,5	2,5	-1,0
27	3,0	2,0	-1,0
29	2,5	2,0	-0,5
31	2,0	2,0	=
33	2,0	2,5	+0,5
35	4,5	5,0	+0,5
37	4,5	5,0	+0,5
39	4,0	4,5	+0,5
41	4,0	4,5	+0,5
43	4,0	4,0	=
45	3,5	3,5	=
47	3,5	3,5	= **

- = in nieuwe situatie minder uren zon op voorgevel t.o.v. bestaande situatie

+ = in nieuwe situatie meer uren zon op voorgevel t.o.v. bestaande situatie

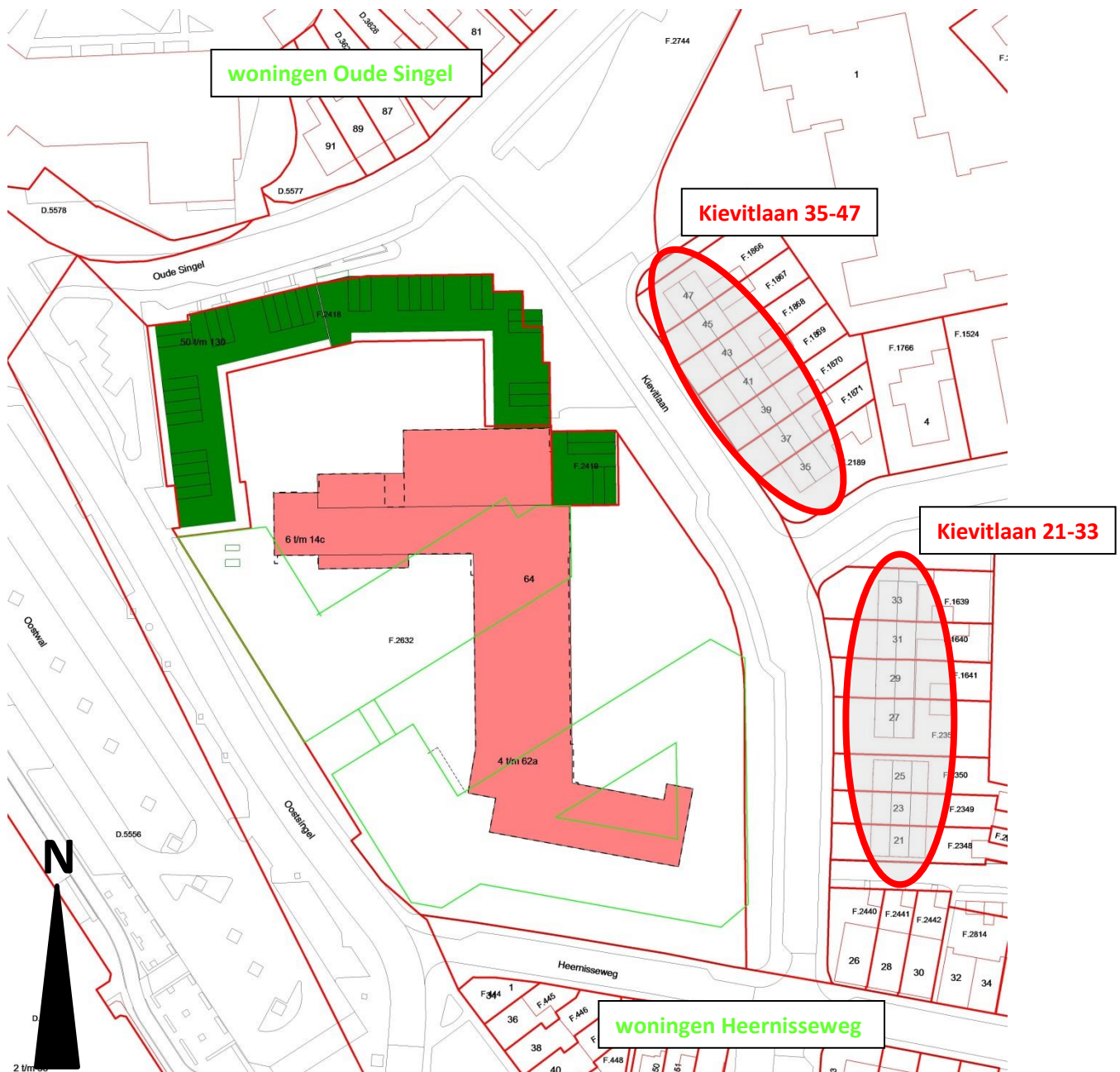
= = in nieuwe situatie gelijk aantal uren zon op voorgevel t.o.v. bestaande situatie

\* incl. 20 min. zon op de gevel einde middag in nieuwe situatie (tussen bebouwing door)

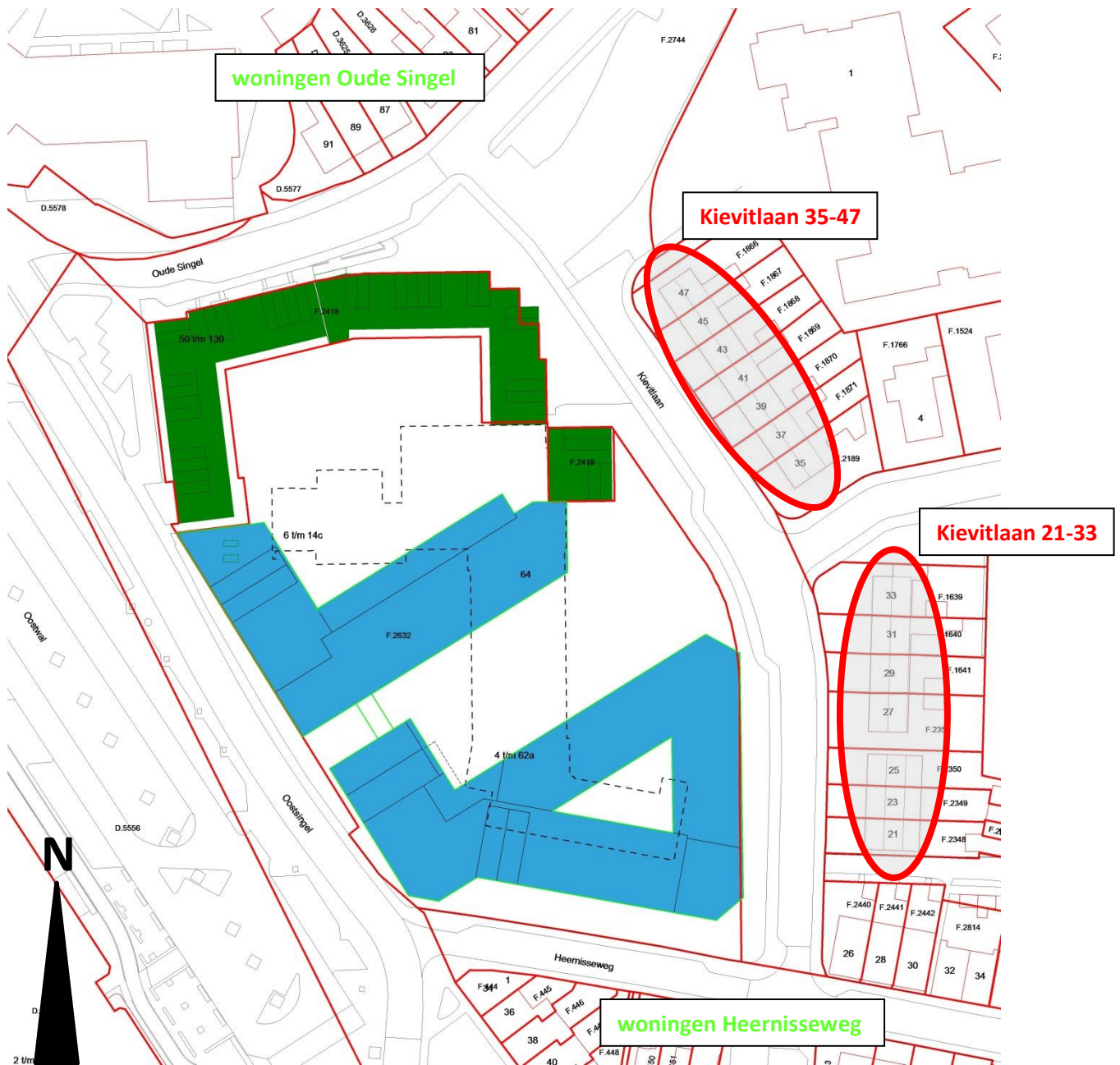
\*\* incl. 15 min. zon op de gevel einde middag in nieuwe situatie (tussen bebouwing door)

Volgens de (lichte) TNO-norm dienen er ten minste 2 mogelijke bezonningsuren per dag te zijn, alle woningen voldoen aan deze norm.

# Bestaande situatie plattegrond



# Nieuwe situatie plattegrond





19 februari

**bestaand**

[1 of 21] [February 19, 2018 - 07:53]



**nieuw**

[1 of 21] [February 19, 2018 - 07:53]



[2 of 21] [February 19, 2018 - 08:23]



[2 of 21] [February 19, 2018 - 08:23]



[3 of 21] [February 19, 2018 - 08:53]



[3 of 21] [February 19, 2018 - 08:53]





19 februari

**bestaand**

[4 of 21] [ February 19, 2018 - 09:23 ]



**nieuw**

[4 of 21] [ February 19, 2018 - 09:23 ]



[5 of 21] [ February 19, 2018 - 09:53 ]



[5 of 21] [ February 19, 2018 - 09:53 ]



[6 of 21] [ February 19, 2018 - 10:23 ]



[6 of 21] [ February 19, 2018 - 10:23 ]



19 februari

**bestaand**

[7 of 21] [ February 19, 2018 - 10:53 ]



**nieuw**

[7 of 21] [ February 19, 2018 - 10:53 ]



[8 of 21] [ February 19, 2018 - 11:23 ]



[8 of 21] [ February 19, 2018 - 11:23 ]



[9 of 21] [ February 19, 2018 - 11:53 ]



[9 of 21] [ February 19, 2018 - 11:53 ]





19 februari

**bestaand**

[10 of 21] [ February 19, 2018 - 12:23 ]



**nieuw**

[10 of 21] [ February 19, 2018 - 12:23 ]



[11 of 21] [ February 19, 2018 - 12:53 ]



[11 of 21] [ February 19, 2018 - 12:53 ]



[12 of 21] [ February 19, 2018 - 13:23 ]



[12 of 21] [ February 19, 2018 - 13:23 ]



19 februari

**bestaand**

[ 13 of 21 ] [ February 19, 2018 - 13:53 ]



**nieuw**

[ 13 of 21 ] [ February 19, 2018 - 13:53 ]



[ 14 of 21 ] [ February 19, 2018 - 14:23 ]



[ 14 of 21 ] [ February 19, 2018 - 14:23 ]



[ 15 of 21 ] [ February 19, 2018 - 14:53 ]



[ 15 of 21 ] [ February 19, 2018 - 14:53 ]





19 februari

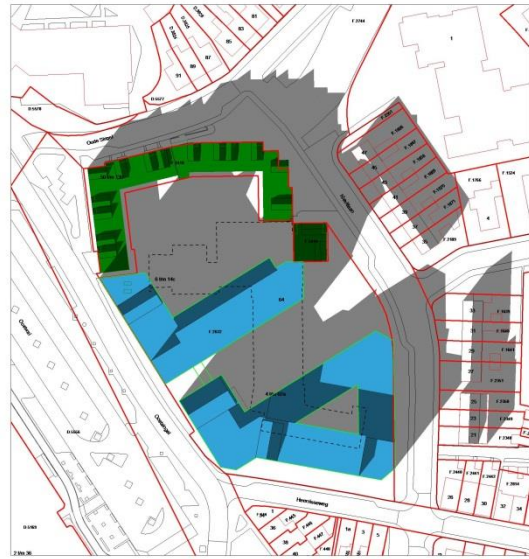
**bestaand**

[16 of 21] [February 19, 2018 - 15:23]



**nieuw**

[16 of 21] [February 19, 2018 - 15:23]



[17 of 21] [February 19, 2018 - 15:53]



[17 of 21] [February 19, 2018 - 15:53]



[18 of 21] [February 19, 2018 - 16:23]



[18 of 21] [February 19, 2018 - 16:23]



19 februari

**bestaand**

[ 19 of 21 ] [ February 19, 2018 - 16:53 ]



**nieuw**

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[ 21 of 21 ] [ February 19, 2018 - 17:53 ]



[ 21 of 21 ] [ February 19, 2018 - 17:53 ]





21 oktober

**bestaand**

[ 1 of 21 ] [ October 21, 2016 - 07:20 ]



**nieuw**

[ 1 of 21 ] [ October 21, 2016 - 07:20 ]



[ 2 of 21 ] [ October 21, 2016 - 07:50 ]



[ 2 of 21 ] [ October 21, 2016 - 07:50 ]



[ 3 of 21 ] [ October 21, 2016 - 08:20 ]



[ 3 of 21 ] [ October 21, 2016 - 08:20 ]



21 oktober

**bestaand**

[ 4 of 21 ] [ October 21, 2016 - 08:50 ]



**nieuw**

[ 4 of 21 ] [ October 21, 2016 - 08:50 ]



[ 5 of 21 ] [ October 21, 2016 - 09:20 ]



[ 5 of 21 ] [ October 21, 2016 - 09:20 ]



[ 6 of 21 ] [ October 21, 2016 - 09:50 ]



[ 6 of 21 ] [ October 21, 2016 - 09:50 ]





21 oktober

**bestaand**

[ 7 of 21 ] [ October 21, 2016 - 10:20 ]



**nieuw**

[ 7 of 21 ] [ October 21, 2016 - 10:20 ]



[ 8 of 21 ] [ October 21, 2016 - 10:50 ]



[ 8 of 21 ] [ October 21, 2016 - 10:50 ]



[ 9 of 21 ] [ October 21, 2016 - 11:20 ]



[ 9 of 21 ] [ October 21, 2016 - 11:20 ]





21 oktober

**bestaand**

[ 10 of 21 ] [ October 21, 2018 - 11:50 ]



**nieuw**

[ 10 of 21 ] [ October 21, 2018 - 11:50 ]



[ 11 of 21 ] [ October 21, 2018 - 12:20 ]



[ 11 of 21 ] [ October 21, 2018 - 12:20 ]



[ 12 of 21 ] [ October 21, 2018 - 12:50 ]



[ 12 of 21 ] [ October 21, 2018 - 12:50 ]



21 oktober

**bestaand**

[ 13 of 21 ] [ October 21, 2018 - 13:20 ]



**nieuw**

[ 13 of 21 ] [ October 21, 2018 - 13:20 ]



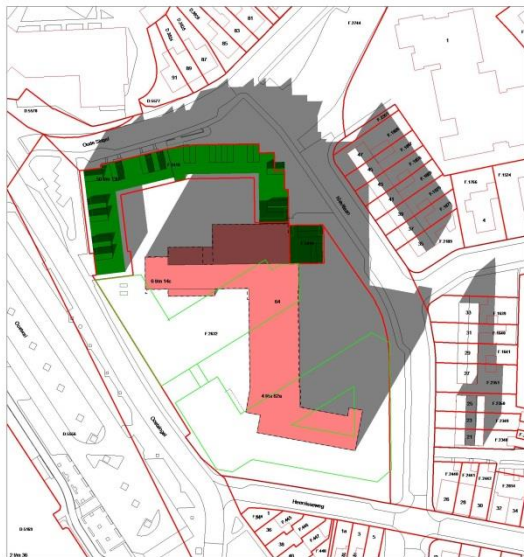
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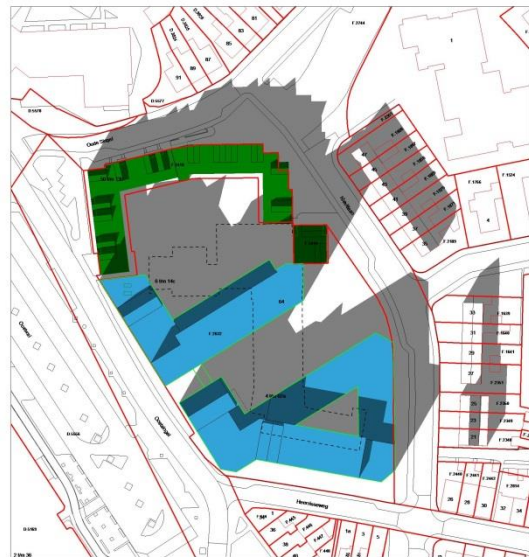
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[ 15 of 21 ] [ October 21, 2018 - 14:20 ]



[ 15 of 21 ] [ October 21, 2018 - 14:20 ]

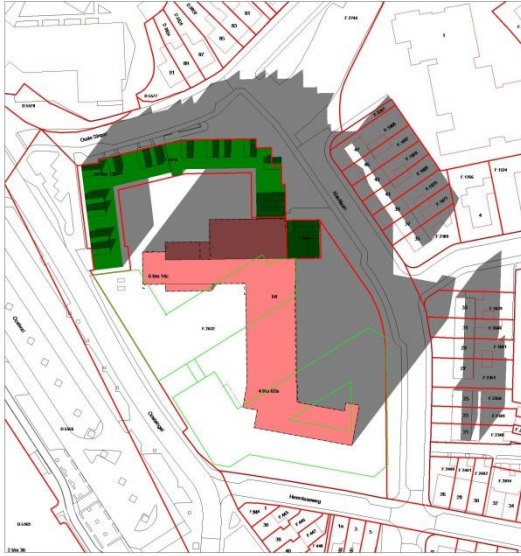




21 oktober

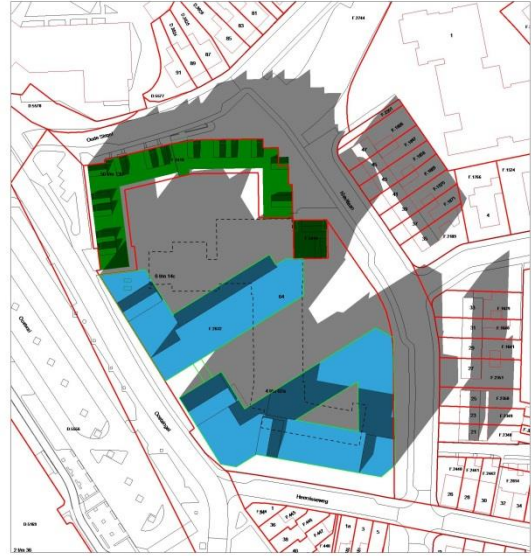
**bestaand**

[ 16 of 21 ] [ October 21, 2018 - 14:50 ]



**nieuw**

[ 16 of 21 ] [ October 21, 2018 - 14:50 ]



[ 17 of 21 ] [ October 21, 2018 - 15:20 ]



[ 17 of 21 ] [ October 21, 2018 - 15:20 ]



[ 18 of 21 ] [ October 21, 2018 - 15:50 ]



[ 18 of 21 ] [ October 21, 2018 - 15:50 ]



21 oktober

**bestaand**

[ 19 of 21 ] [ October 21, 2018 - 16:20 ]



**nieuw**

[ 19 of 21 ] [ October 21, 2018 - 16:20 ]



[ 20 of 21 ] [ October 21, 2018 - 16:50 ]



[ 20 of 21 ] [ October 21, 2018 - 16:50 ]



[ 21 of 21 ] [ October 21, 2018 - 17:20 ]



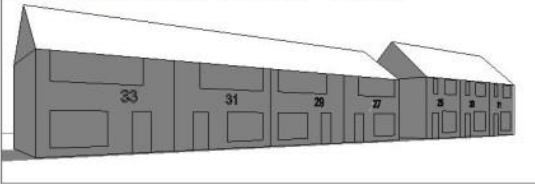
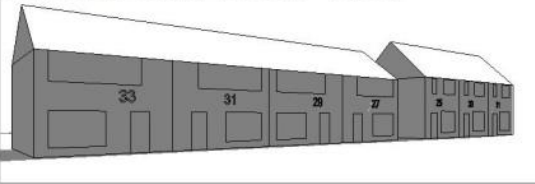




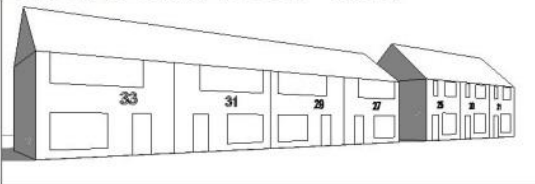

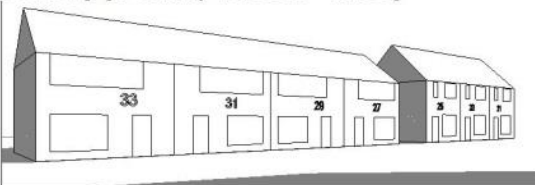




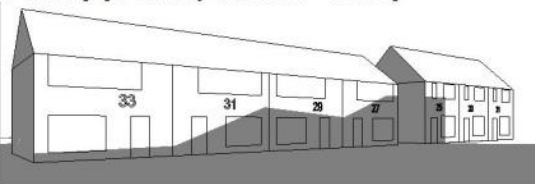
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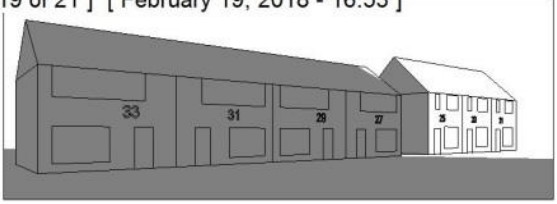

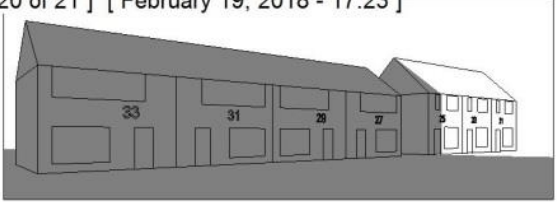
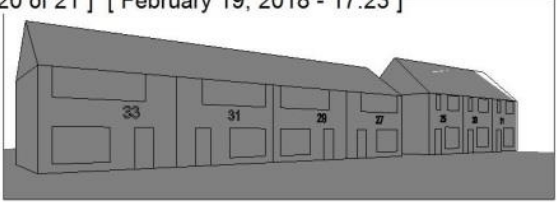
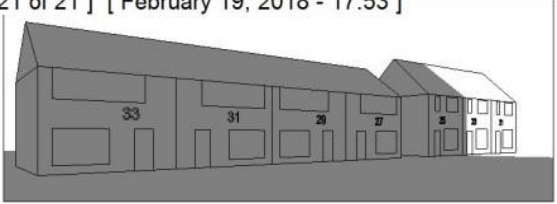
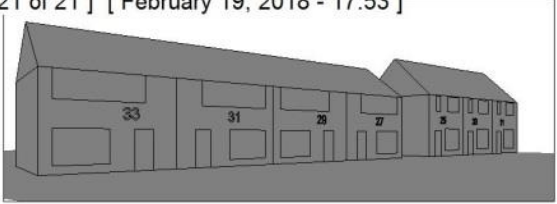


Bestaande en nieuwe toestand Kievitlaan 21-33

19 februari

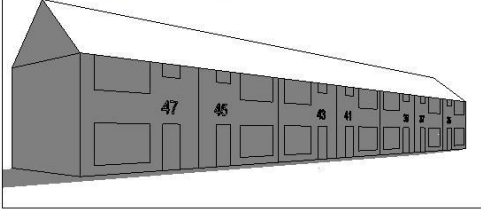
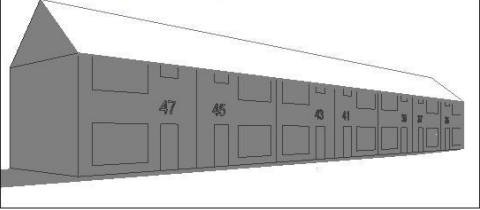
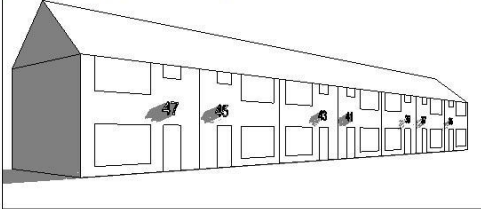
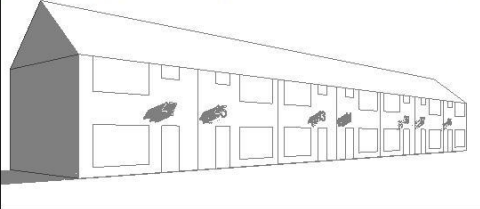
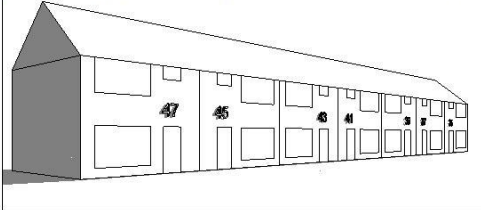
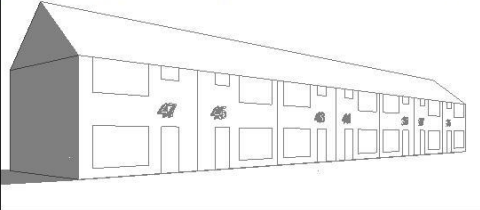
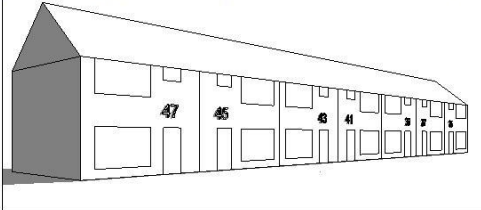
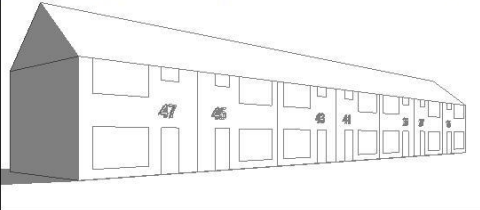
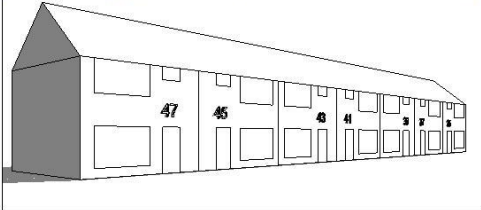
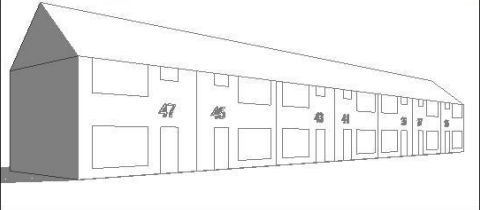
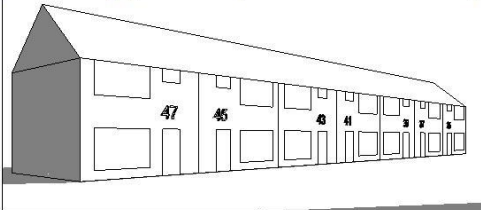
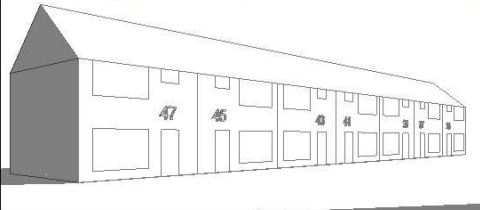
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<p>[ 11 of 21 ] [ February 19, 2018 - 12:53 ]</p> 	<p>[ 11 of 21 ] [ February 19, 2018 - 12:53 ]</p> 
<p>[ 12 of 21 ] [ February 19, 2018 - 13:23 ]</p> 	<p>[ 12 of 21 ] [ February 19, 2018 - 13:23 ]</p> 
<p>[ 13 of 21 ] [ February 19, 2018 - 13:53 ]</p> 	<p>[ 13 of 21 ] [ February 19, 2018 - 13:53 ]</p> 
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<p>[ 16 of 21 ] [ February 19, 2018 - 15:23 ]</p> 	<p>[ 16 of 21 ] [ February 19, 2018 - 15:23 ]</p> 
<p>[ 17 of 21 ] [ February 19, 2018 - 15:53 ]</p> 	<p>[ 17 of 21 ] [ February 19, 2018 - 15:53 ]</p> 

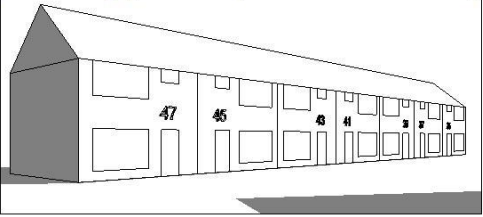
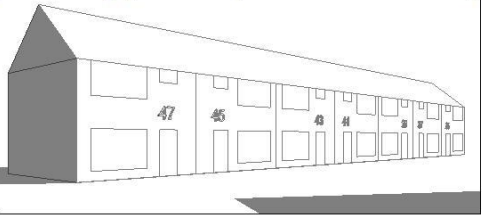
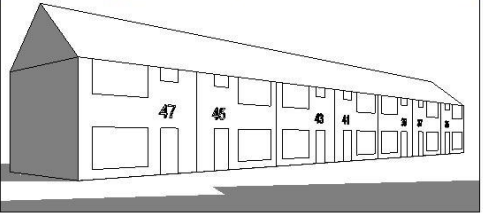

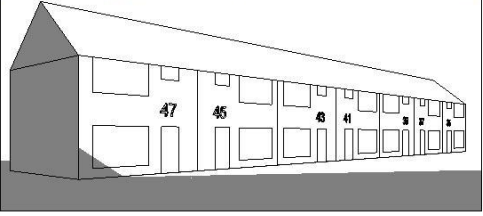
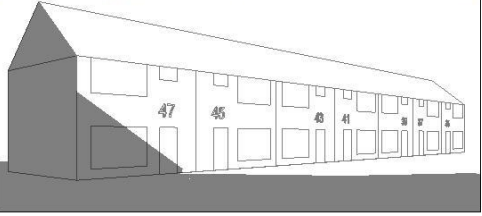
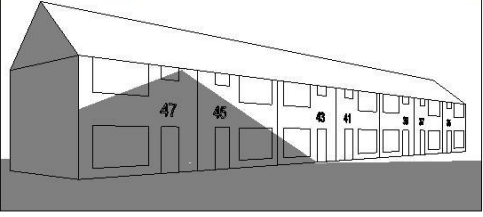

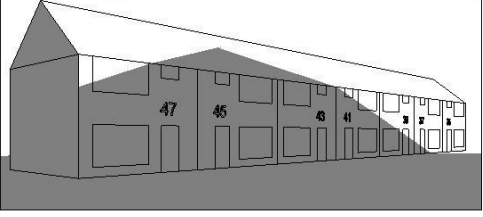

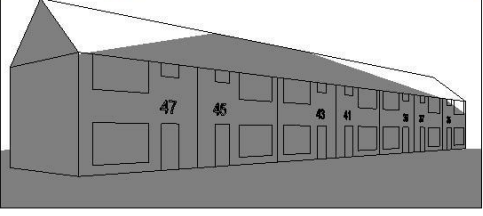
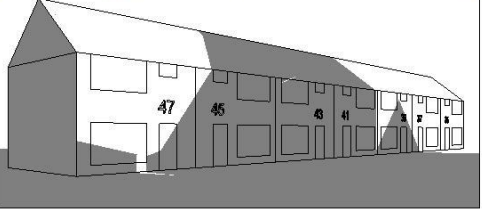
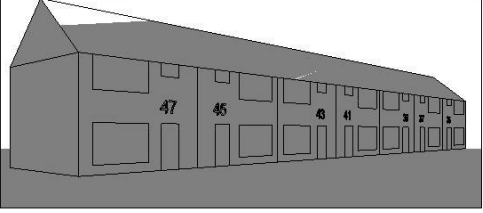
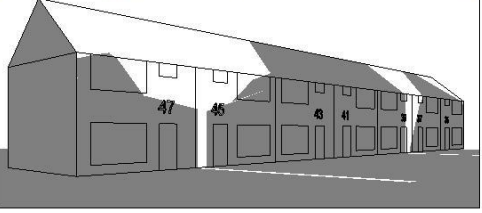


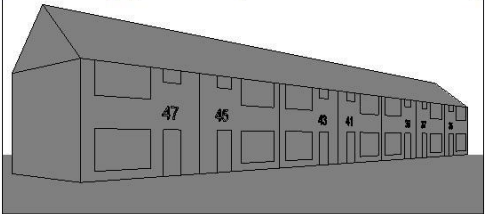

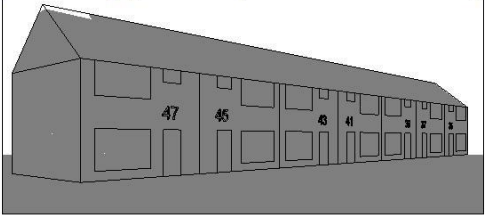
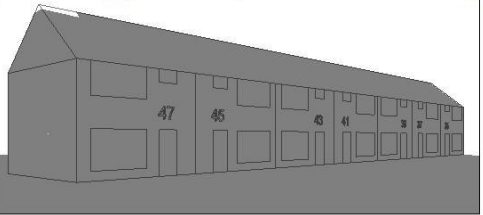
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<p>[ 18 of 21 ] [ February 19, 2018 - 16:23 ]</p> 	<p>[ 18 of 21 ] [ February 19, 2018 - 16:23 ]</p> 
<p>[ 19 of 21 ] [ February 19, 2018 - 16:53 ]</p> 	<p>[ 19 of 21 ] [ February 19, 2018 - 16:53 ]</p> 
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<p>[ 21 of 21 ] [ February 19, 2018 - 17:53 ]</p> 	<p>[ 21 of 21 ] [ February 19, 2018 - 17:53 ]</p> 

Bestaande en nieuwe toestand Kievitlaan 35-47

19 februari

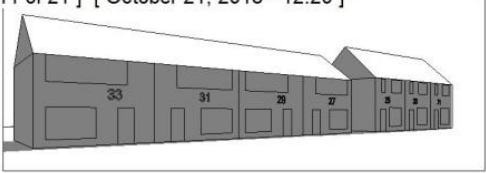
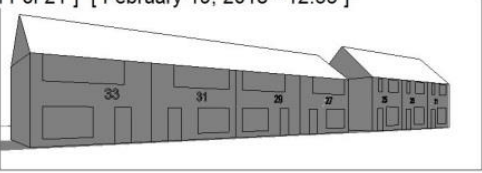

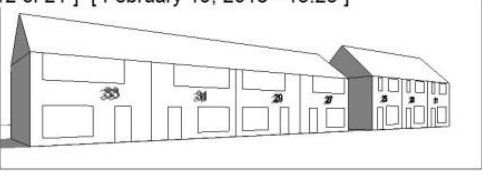
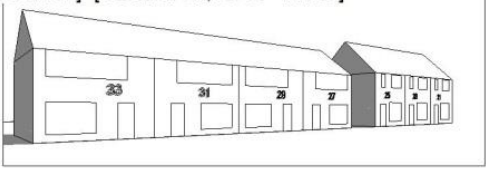
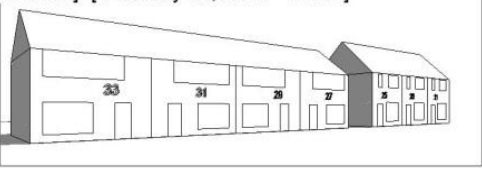
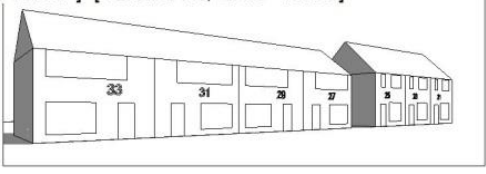
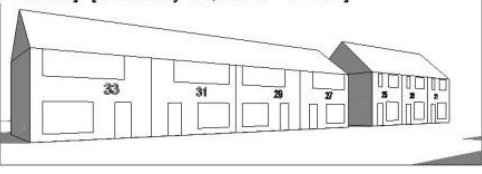
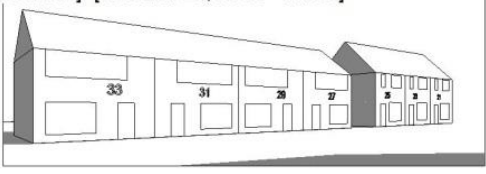
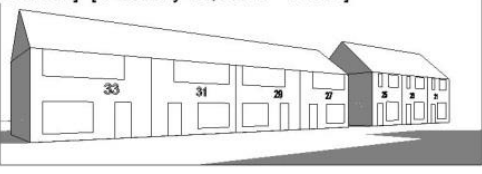
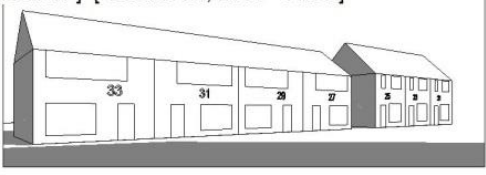
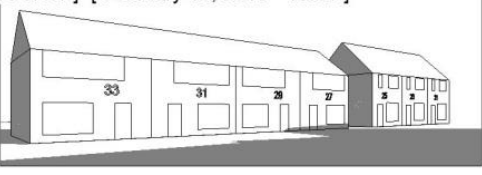

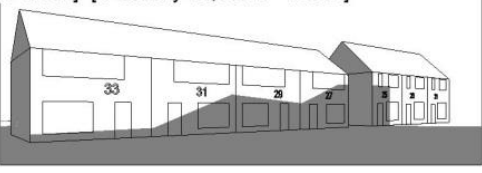
bestaand	nieuw
<p>[ 6 of 21 ] [ February 19, 2018 - 10:23 ]</p> 	<p>[ 6 of 21 ] [ February 19, 2018 - 10:23 ]</p> 
<p>[ 7 of 21 ] [ February 19, 2018 - 10:53 ]</p> 	<p>[ 7 of 21 ] [ February 19, 2018 - 10:53 ]</p> 
<p>[ 8 of 21 ] [ February 19, 2018 - 11:23 ]</p> 	<p>[ 8 of 21 ] [ February 19, 2018 - 11:23 ]</p> 
<p>[ 9 of 21 ] [ February 19, 2018 - 11:53 ]</p> 	<p>[ 9 of 21 ] [ February 19, 2018 - 11:53 ]</p> 
<p>[ 10 of 21 ] [ February 19, 2018 - 12:23 ]</p> 	<p>[ 10 of 21 ] [ February 19, 2018 - 12:23 ]</p> 
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<p>[ 12 of 21 ] [ February 19, 2018 - 13:23 ]</p> 	<p>[ 12 of 21 ] [ February 19, 2018 - 13:23 ]</p> 
<p>[ 13 of 21 ] [ February 19, 2018 - 13:53 ]</p> 	<p>[ 13 of 21 ] [ February 19, 2018 - 13:53 ]</p> 
<p>[ 14 of 21 ] [ February 19, 2018 - 14:23 ]</p> 	<p>[ 14 of 21 ] [ February 19, 2018 - 14:23 ]</p> 
<p>[ 15 of 21 ] [ February 19, 2018 - 14:53 ]</p> 	<p>[ 15 of 21 ] [ February 19, 2018 - 14:53 ]</p> 
<p>[ 16 of 21 ] [ February 19, 2018 - 15:23 ]</p> 	<p>[ 16 of 21 ] [ February 19, 2018 - 15:23 ]</p> 
<p>[ 17 of 21 ] [ February 19, 2018 - 15:53 ]</p> 	<p>[ 17 of 21 ] [ February 19, 2018 - 15:53 ]</p> 
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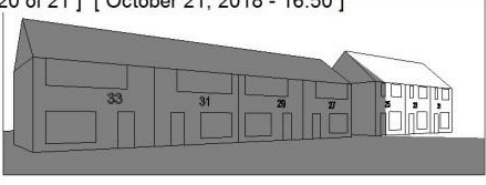
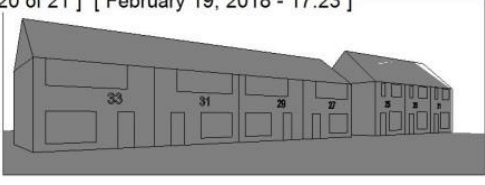
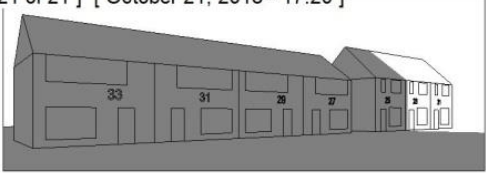
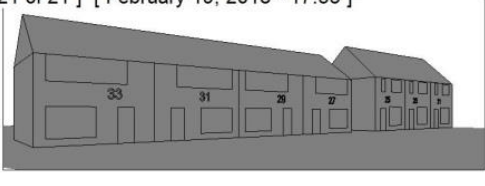
bestaand	nieuw
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<p data-bbox="193 492 699 526">[ 20 of 21 ] [ February 19, 2018 - 17:23 ]</p> 	<p data-bbox="818 492 1324 526">[ 20 of 21 ] [ February 19, 2018 - 17:23 ]</p> 

# Bestaande toestand Kievitlaan 21-33

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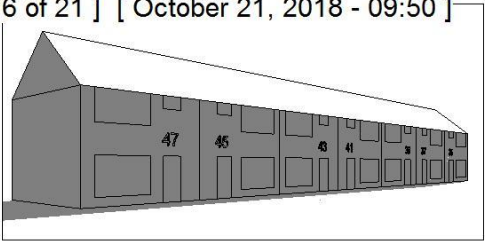
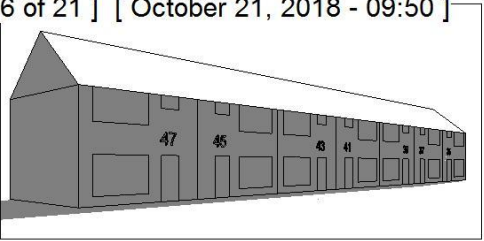
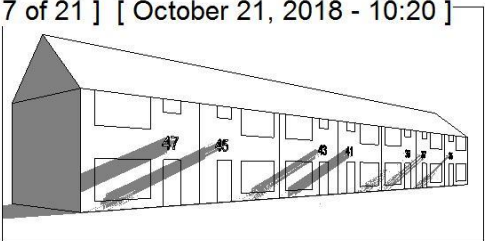
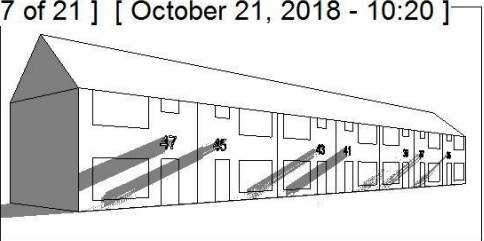




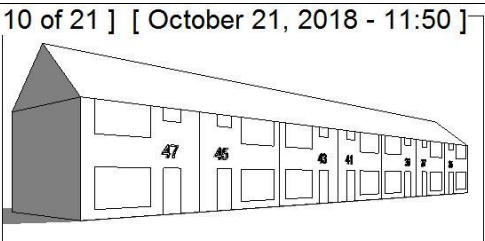
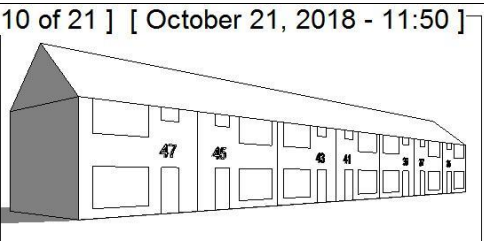
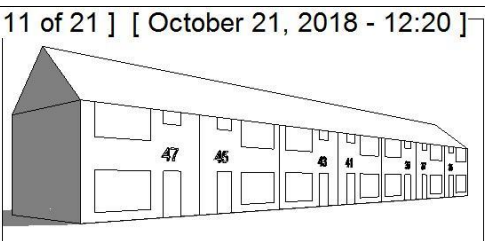
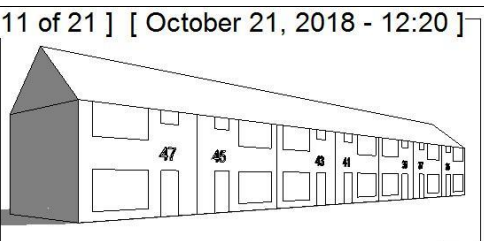
bestaand	nieuw
<p>[ 11 of 21 ] [ October 21, 2018 - 12:20 ]</p> 	<p>[ 11 of 21 ] [ February 19, 2018 - 12:53 ]</p> 
<p>[ 12 of 21 ] [ October 21, 2018 - 12:50 ]</p> 	<p>[ 12 of 21 ] [ February 19, 2018 - 13:23 ]</p> 
<p>[ 13 of 21 ] [ October 21, 2018 - 13:20 ]</p> 	<p>[ 13 of 21 ] [ February 19, 2018 - 13:53 ]</p> 
<p>[ 14 of 21 ] [ October 21, 2018 - 13:50 ]</p> 	<p>[ 14 of 21 ] [ February 19, 2018 - 14:23 ]</p> 
<p>[ 15 of 21 ] [ October 21, 2018 - 14:20 ]</p> 	<p>[ 15 of 21 ] [ February 19, 2018 - 14:53 ]</p> 
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<p>[ 17 of 21 ] [ October 21, 2018 - 15:20 ]</p> 	<p>[ 17 of 21 ] [ February 19, 2018 - 15:53 ]</p> 

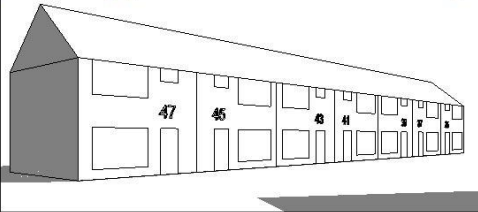
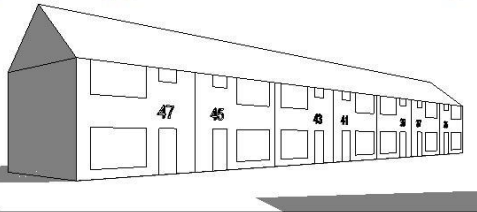


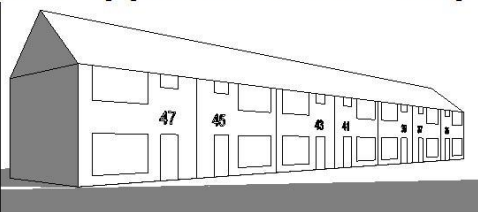

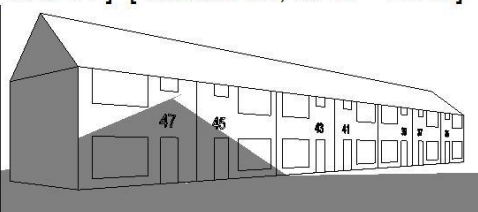
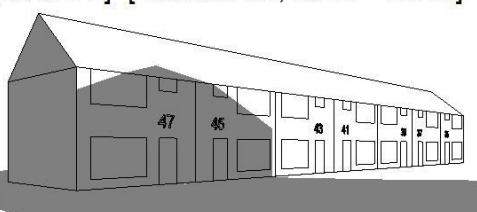
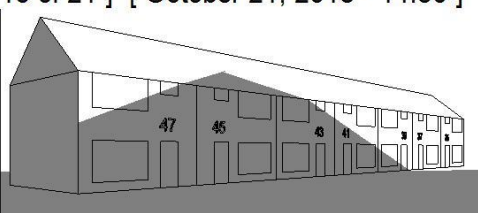

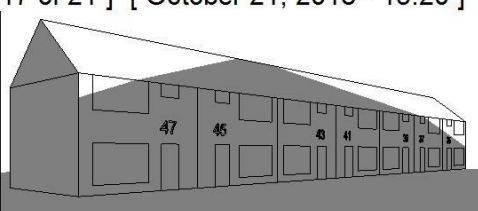
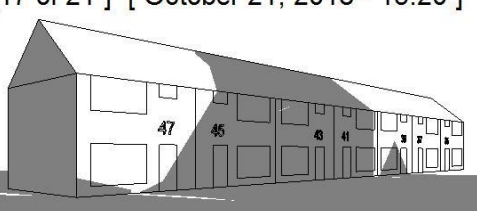
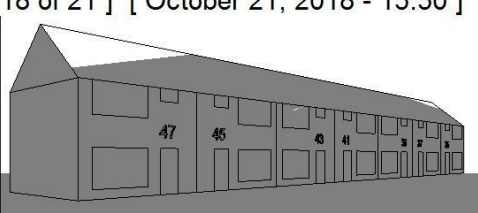
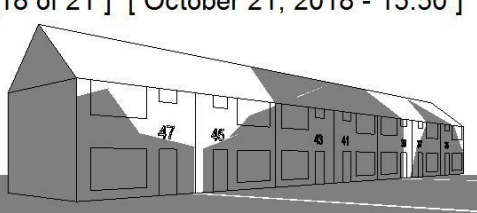


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<p>[ 18 of 21 ] [ October 21, 2018 - 15:50 ]</p> 	<p>[ 18 of 21 ] [ February 19, 2018 - 16:23 ]</p> 
<p>[ 19 of 21 ] [ October 21, 2018 - 16:20 ]</p> 	<p>[ 19 of 21 ] [ February 19, 2018 - 16:53 ]</p> 
<p>[ 20 of 21 ] [ October 21, 2018 - 16:50 ]</p> 	<p>[ 20 of 21 ] [ February 19, 2018 - 17:23 ]</p> 
<p>[ 21 of 21 ] [ October 21, 2018 - 17:20 ]</p> 	<p>[ 21 of 21 ] [ February 19, 2018 - 17:53 ]</p> 

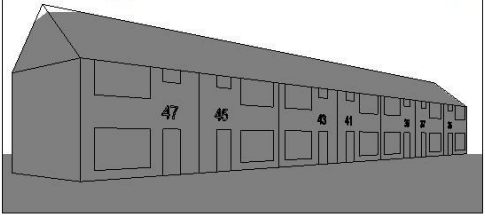

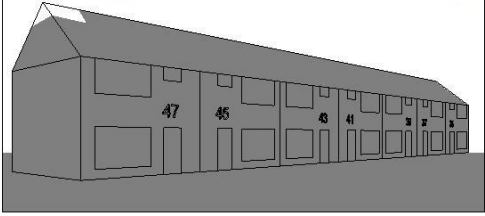
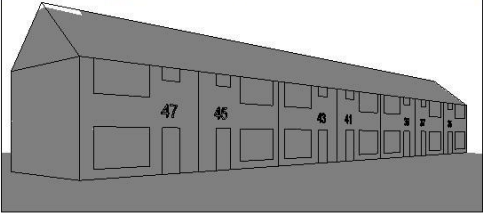
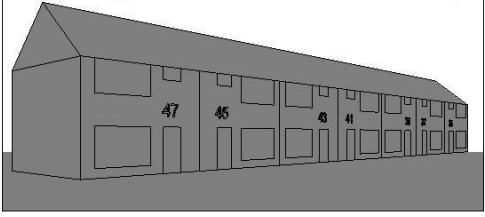
Bestaande toestand Kievitlaan 35-47

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bestaand	nieuw
<p>[ 6 of 21 ] [ October 21, 2018 - 09:50 ]</p> 	<p>[ 6 of 21 ] [ October 21, 2018 - 09:50 ]</p> 
<p>[ 7 of 21 ] [ October 21, 2018 - 10:20 ]</p> 	<p>[ 7 of 21 ] [ October 21, 2018 - 10:20 ]</p> 
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<p>[ 12 of 21 ] [ October 21, 2018 - 12:50 ]</p> 	<p>[ 12 of 21 ] [ October 21, 2018 - 12:50 ]</p> 
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<p>[ 19 of 21 ] [ October 21, 2018 - 16:20 ]</p> 	<p>[ 19 of 21 ] [ February 19, 2018 - 16:53 ]</p> 
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