

Aan: De Alliantie Ontwikkeling B.V.
Postbus 2360
1200 CJ HILVERSUM

Betreft: **bezonningstudie Zeeburgerdijk 265 te Amsterdam**
Projectnummer: 214461
Onderwerp: Zonnestudie
Kenmerk: 5.1.1.d 214461.01/MAWU
Contact: 5.1.1.d

Dordrecht, 1 april 2022

Geachte heer/mevrouw,

Inleiding

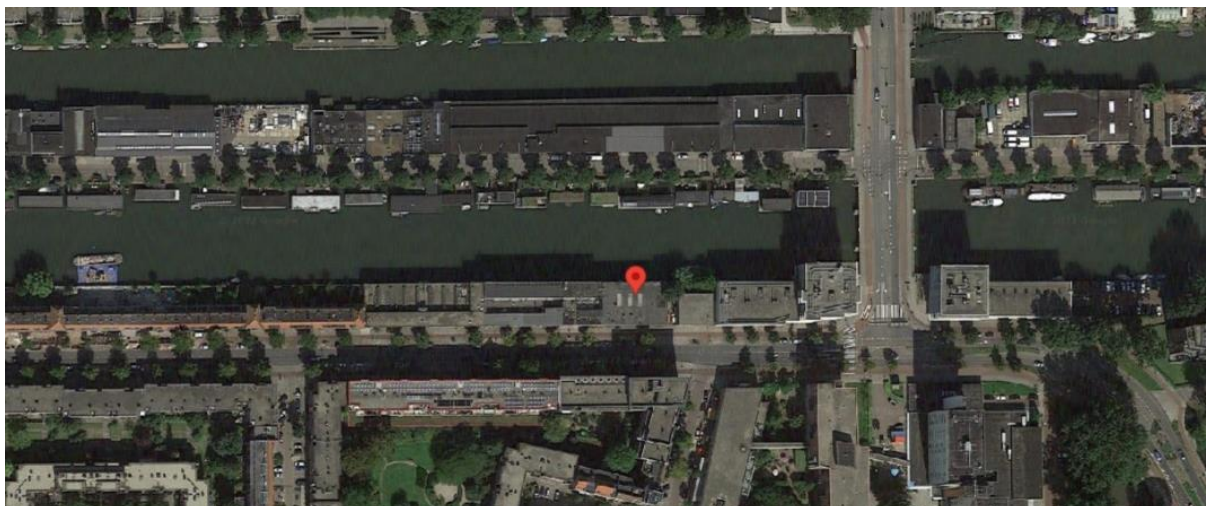
In opdracht van de Alliantie Ontwikkeling is een bezonningstudie uitgevoerd. Het betreft een onderzoek naar de mogelijke beschaduwing van de woonboten door de nieuwbouw aan Zeeburgerdijk 265 te Amsterdam. In dit briefrapport worden de bevindingen en conclusies van het onderzoek uiteengezet.

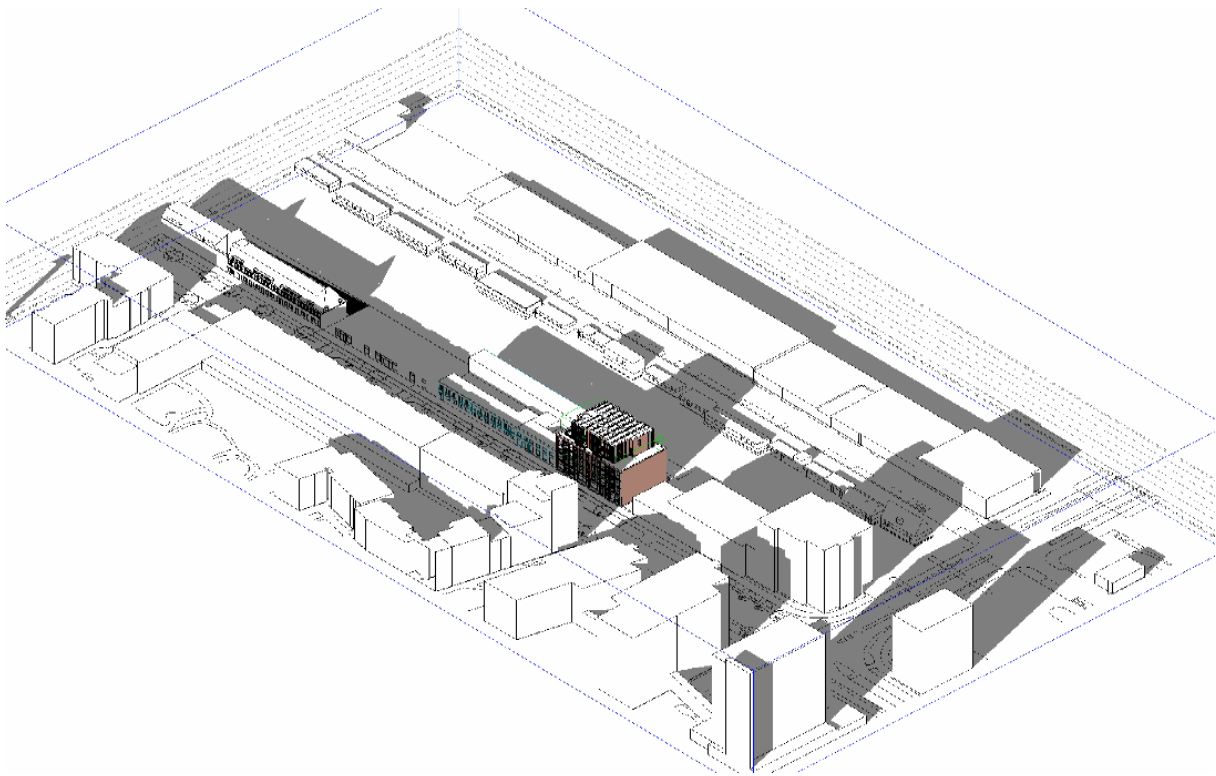
Aanleiding en doel

De aanleiding voor het onderzoek is de bouw van het complex. Het doel van het onderzoek is om mogelijke plan-schade door beschaduwing inzichtelijk te krijgen

Situatie

Aan Zeeburgerdijk 265 te Amsterdam wordt een nieuwbouw appartementencomplex gerealiseerd. Dit gebouw wordt zes verdiepingen hoog. Omdat dit gebouw een stuk hoger is dan de gebouwen in de omgeving, zijn de bewoners van de woonboten, die aan de andere kant van het kanaal liggen, bang dat ze minder of geen zonlicht meer krijgen.





Wettelijke eis- en regelgeving

Bij de TNO bezonningnorm voldoet de woning als er in de periode van 19 februari tot 21 oktober minimaal twee uur bezonning is per dag.

Rekenresultaten

Voor de berekening hebben we bovengenoemde data aangehouden omdat dit de minst gunstige situatie is voor de bezonning. Verder hebben we gebruik gemaakt van een tijdslimiet van een halfuur.

Er is per datum en per halfuur gekeken of de specifieke woonboot zonlicht krijgt of juist niet. Deze informatie is vastgelegd in de bezonningstabel. Uiteindelijk kan uit de tabel gelezen worden hoeveel uur zonlicht er op de specifieke woonboot schijnt. Hiermee wordt bepaald of de TNO norm wordt behaald

Conclusie

Uit de bezonningsstudie blijkt dat:

- Voldoende zonlicht aanwezig is nabij de woonboten tijdens de periode van 19 februari en 21 oktober. De TNO norm wordt voor de woonboten behaald.

In bijlage 1 is de complete zonnestudie te vinden, hierbij is de conclusie dat de woonboten voldoen aan de TNO norm.

In bijlage 2 is de studie te vinden per data en is per halfuur gekeken of zonlicht de woonboten binnenvalt. Dit is aangegeven in tekening.

Indien u vragen hebt, kunt u contact opnemen met ondergetekende van ons bureau te Dordrecht.

Met vriendelijke groet,
BK Bouw- & Milieuadvies B.V.

5.1.1.d

5.1.1.d

adviseur

Bijlage:

1. Zonnestudie tabellen
2. Bezonningsstudie (19 februari, 21 oktober, 21 januari en 22 november)

Bijlage

1 Zonnestudie tabellen

19 feb.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			
	8:54	9:24	9:54	10:24	10:54	11:24	11:54	12:24	12:54	13:24	13:54	14:24	14:54	15:24	15:54	16:24	16:54	17:24	17:54	18:24	18:54	(halfuur)	(uur)	
Woonboot 1	x	x	x	x	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	17	8,5	uur
Woonboot 2	x	x	x	x	x	x	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	15	7,5	uur
Woonboot 3	x	x	x	x	x	x	x	x	o	o	o	o	o	o	o	o	o	o	o	o	o	13	6,5	uur
Woonboot 4	x	x	x	o	o	o	x	x	x	x	x	x	x	x	o	o	o	o	o	o	o	10	5	uur
Woonboot 5	x	x	x	x	o	o	o	o	o	x	x	x	x	x	x	x	x	x	o	x	x	6	3	uur
Woonboot 6	x	x	x	x	o	o	o	o	o	o	o	o	o	x	x	x	x	x	x	x	o	10	5	uur
Woonboot 7	x	x	x	x	x	x	o	o	o	o	o	o	o	o	x	x	x	x	x	x	x	8	4	uur
Woonboot 8	x	x	x	o	o	x	x	x	o	o	o	o	o	o	o	o	x	x	x	x	x	10	5	uur
Woonboot 9	x	x	x	o	o	o	o	x	x	x	x	o	o	o	o	o	o	x	x	x	x	10	5	uur
Woonboot 10	x	x	x	x	o	o	o	o	o	o	x	x	x	x	o	o	o	o	x	x	x	10	5	uur
Woonboot 11	o	x	x	x	x	o	o	o	o	o	o	o	o	x	x	x	x	x	o	x	x	10	5	uur

voldoet

21 okt.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			
	8:22	8:52	9:22	9:52	10:22	10:52	11:22	11:52	12:22	12:52	13:22	13:52	14:22	14:52	15:22	15:52	16:22	16:52	17:22	17:52	18:22	(halfuur)	(uur)	
Woonboot 1	x	x	x	x	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	17	8,5	uur
Woonboot 2	x	x	x	x	x	x	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	15	7,5	uur
Woonboot 3	x	x	o	o	x	x	x	x	o	o	o	o	o	o	o	o	o	o	o	o	o	15	7,5	uur
Woonboot 4	x	x	x	o	o	o	x	x	x	x	x	x	x	x	o	o	o	o	o	o	o	10	5	uur
Woonboot 5	x	x	x	x	o	o	o	o	o	o	o	o	o	x	x	x	x	o	o	o	o	13	6,5	uur
Woonboot 6	x	x	x	x	x	o	o	o	o	o	o	o	o	x	x	x	x	x	x	x	o	9	4,5	uur
Woonboot 7	x	x	x	x	x	x	o	o	o	o	o	o	o	o	o	x	x	x	x	x	x	9	4,5	uur
Woonboot 8	x	x	x	o	o	x	x	x	o	o	o	o	o	o	o	o	x	x	x	x	x	10	5	uur
Woonboot 9	x	x	x	o	o	o	o	x	x	x	x	o	o	o	o	o	o	x	x	x	x	10	5	uur
Woonboot 10	x	x	x	x	o	o	o	o	o	o	x	x	x	x	o	o	o	o	x	x	x	10	5	uur
Woonboot 11	o	x	x	x	x	x	o	o	o	o	o	o	o	o	x	x	x	o	o	x	x	11	5,5	uur

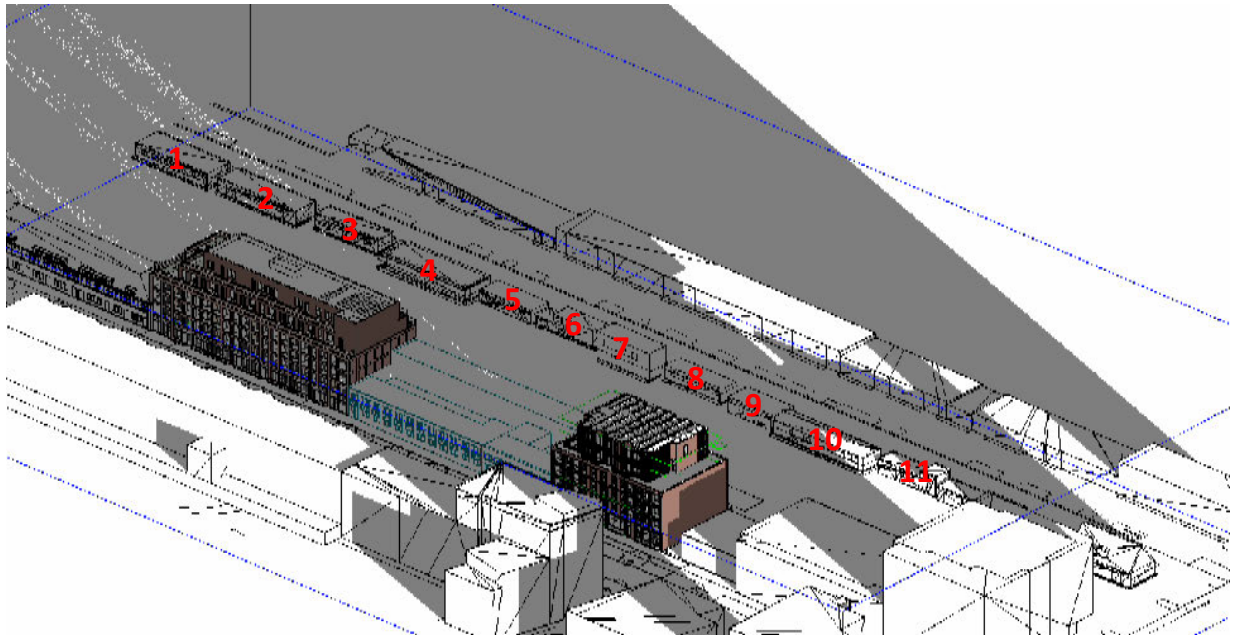
Legenda:

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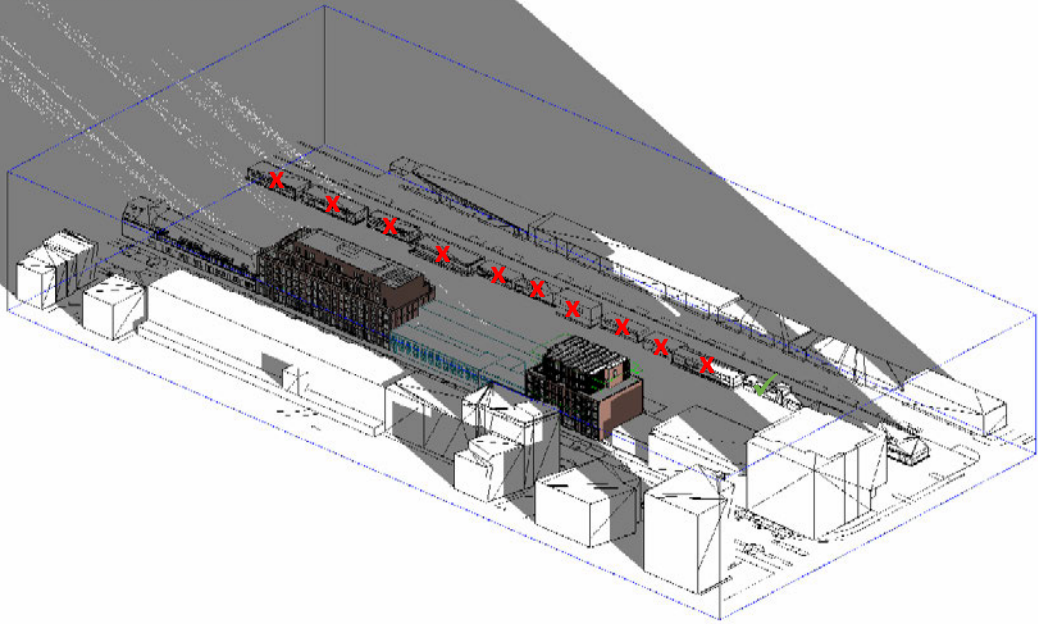
o wel zon

Bijlage

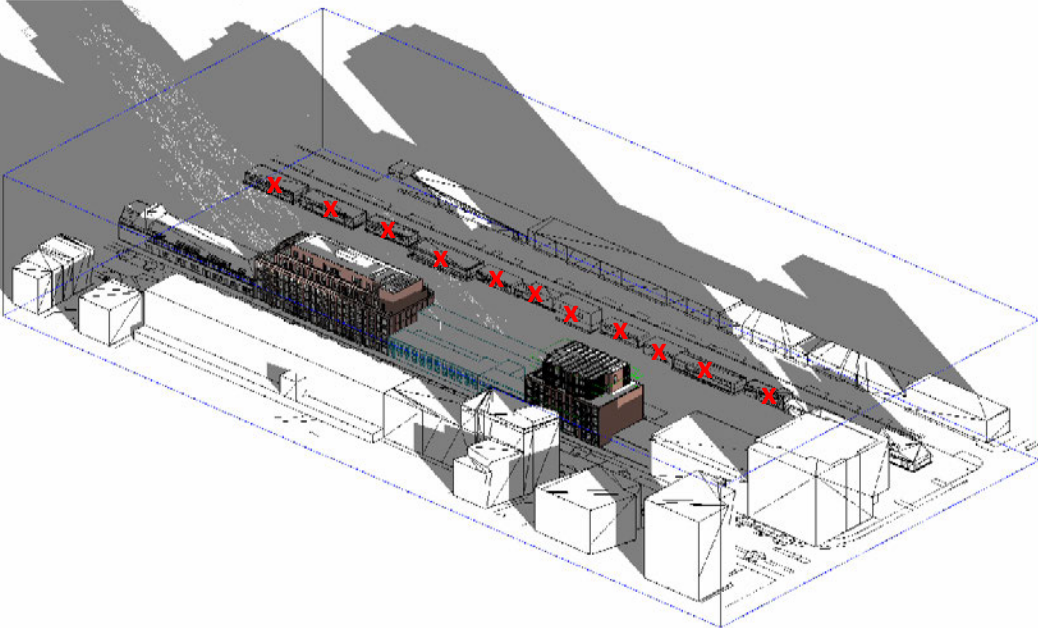
2 Bezonningsstudie (19 februari, 21 oktober,)



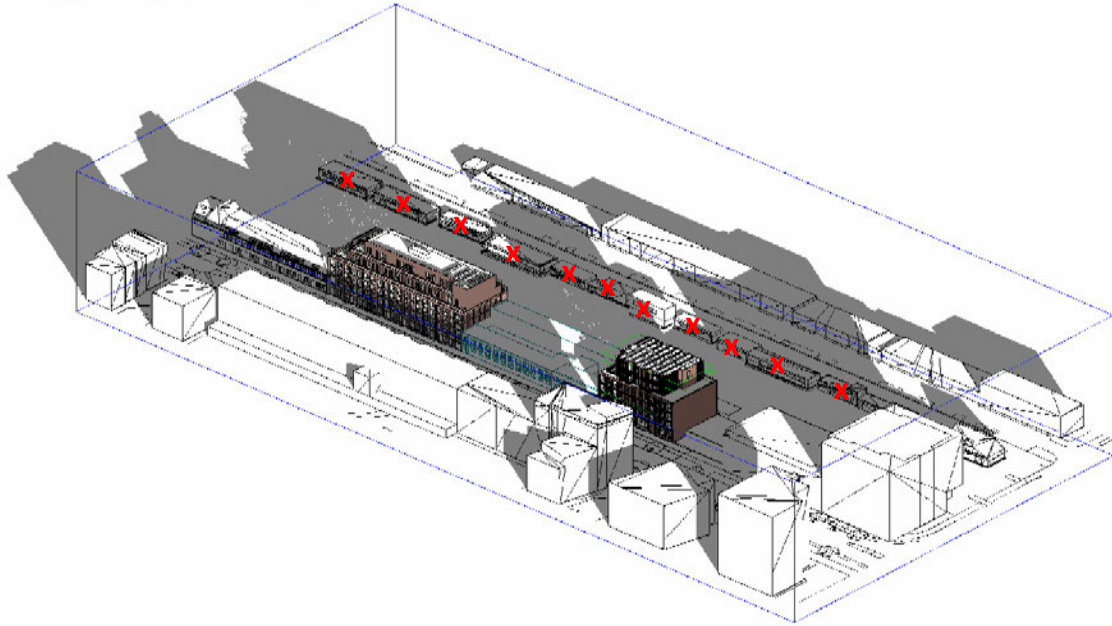
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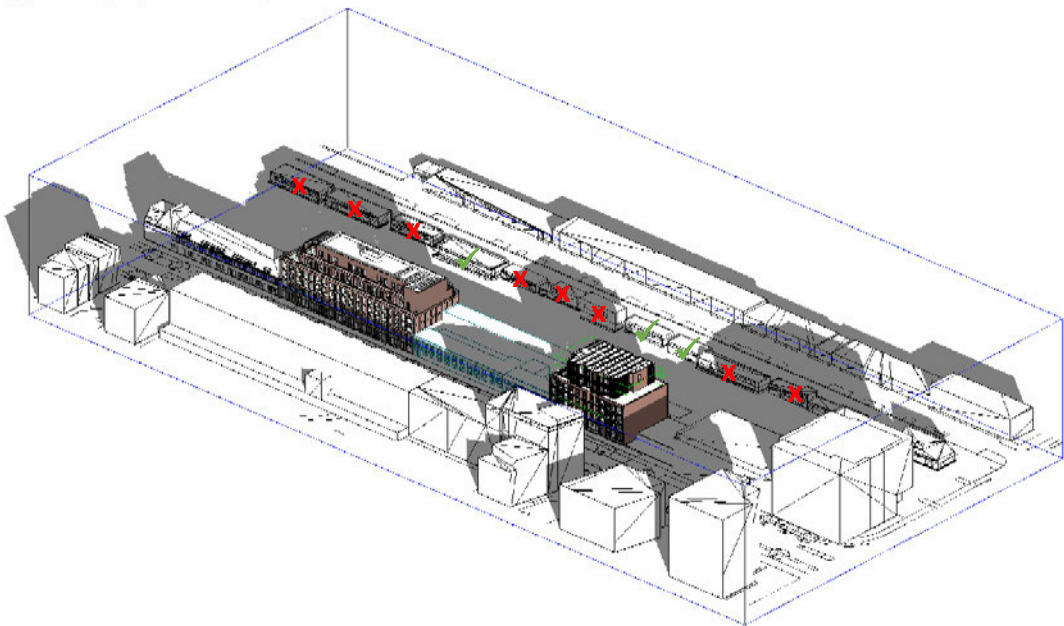
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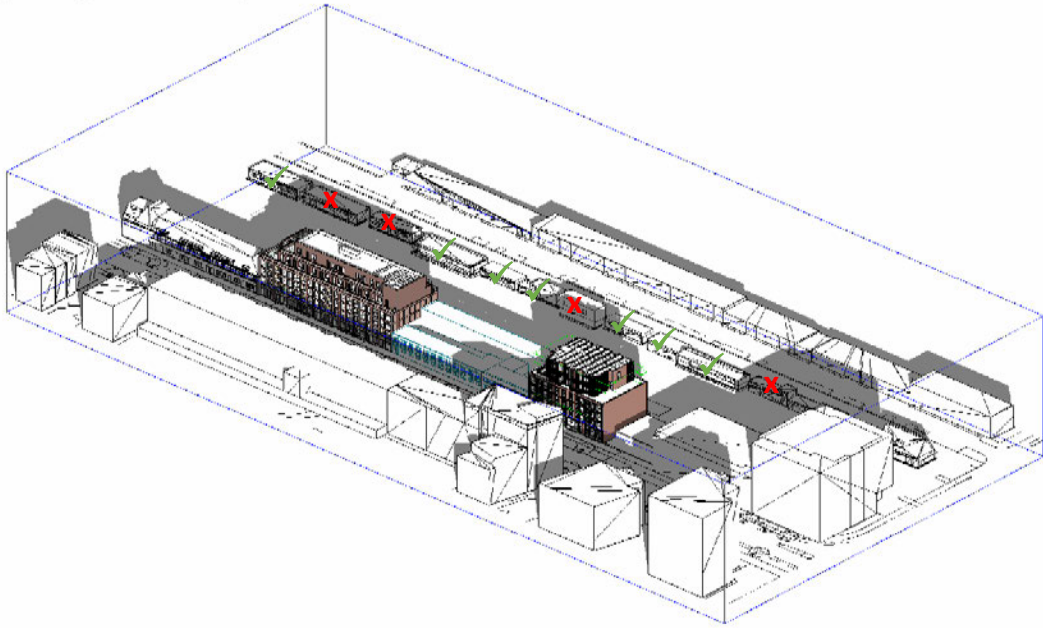
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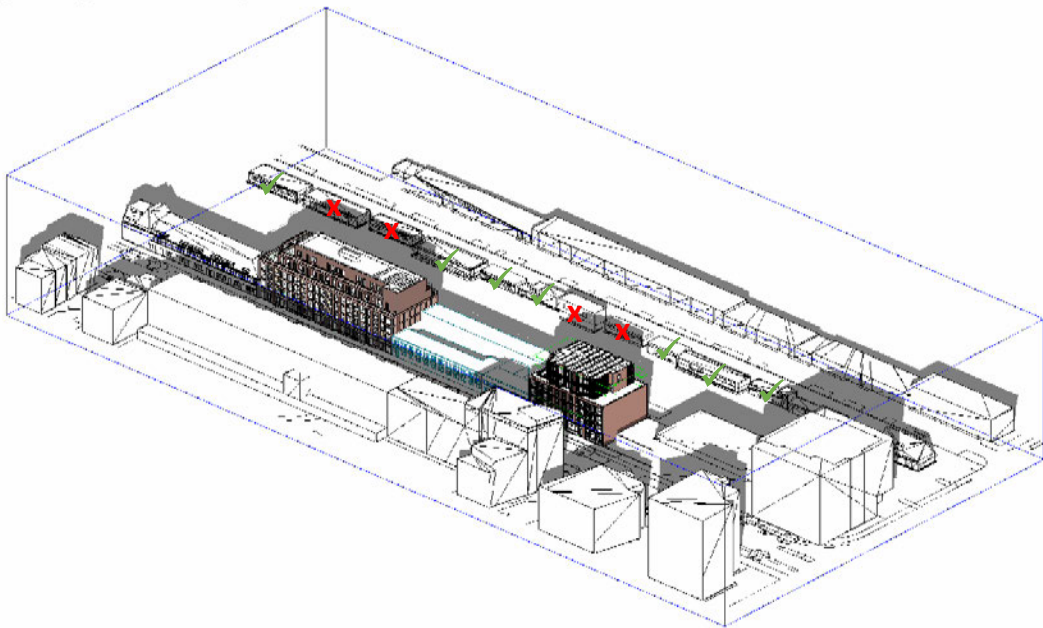
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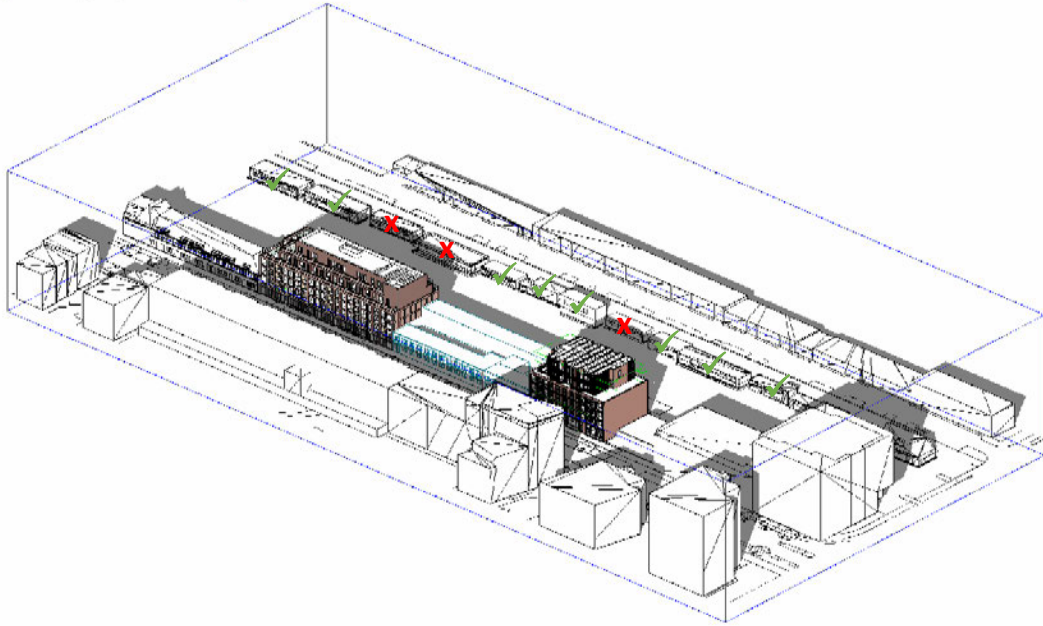
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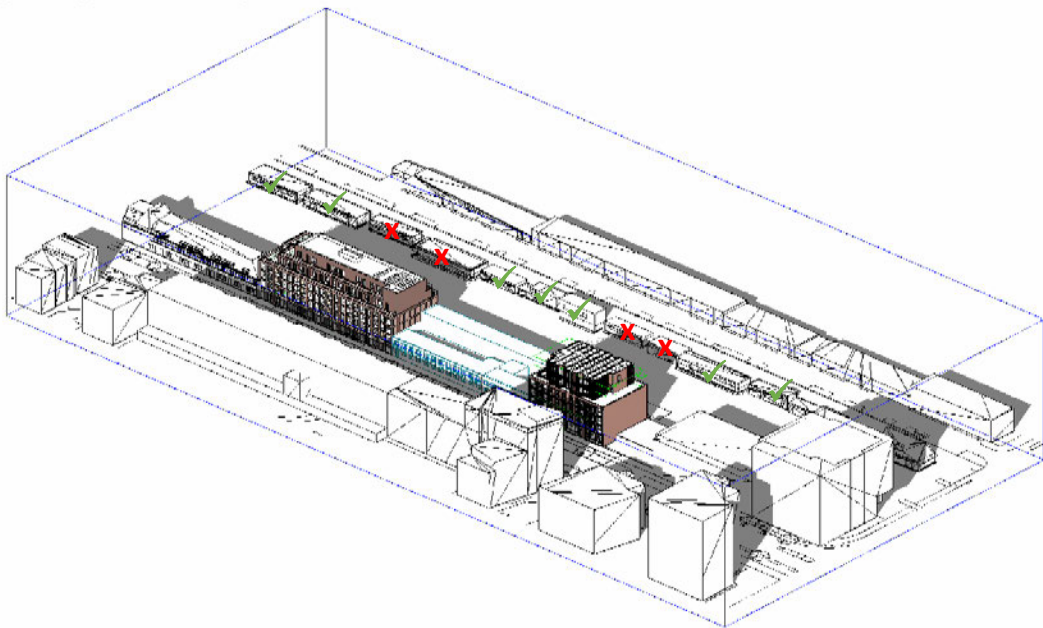
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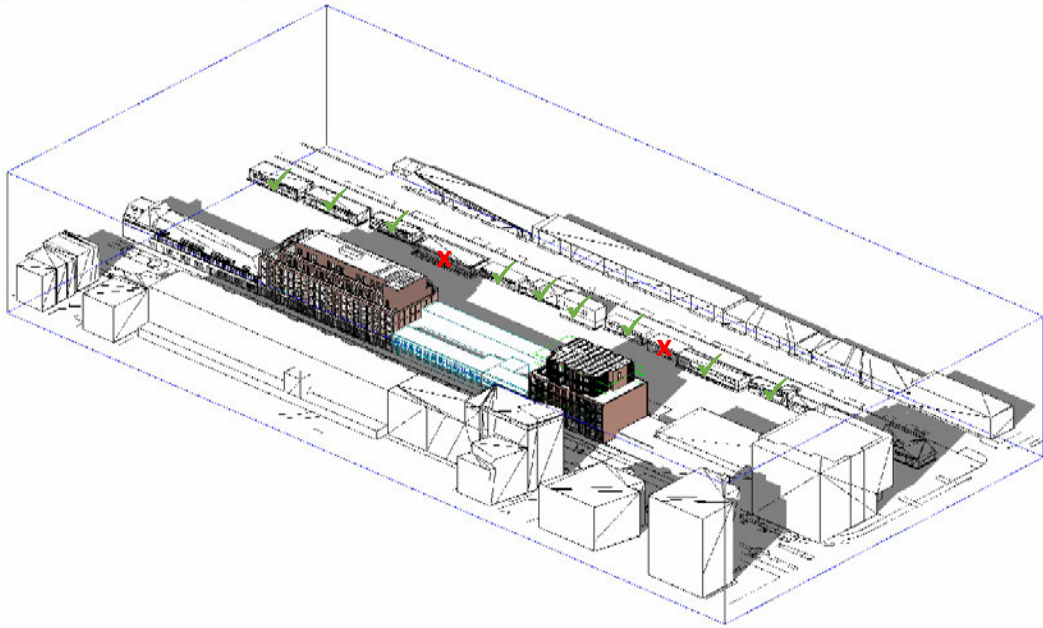
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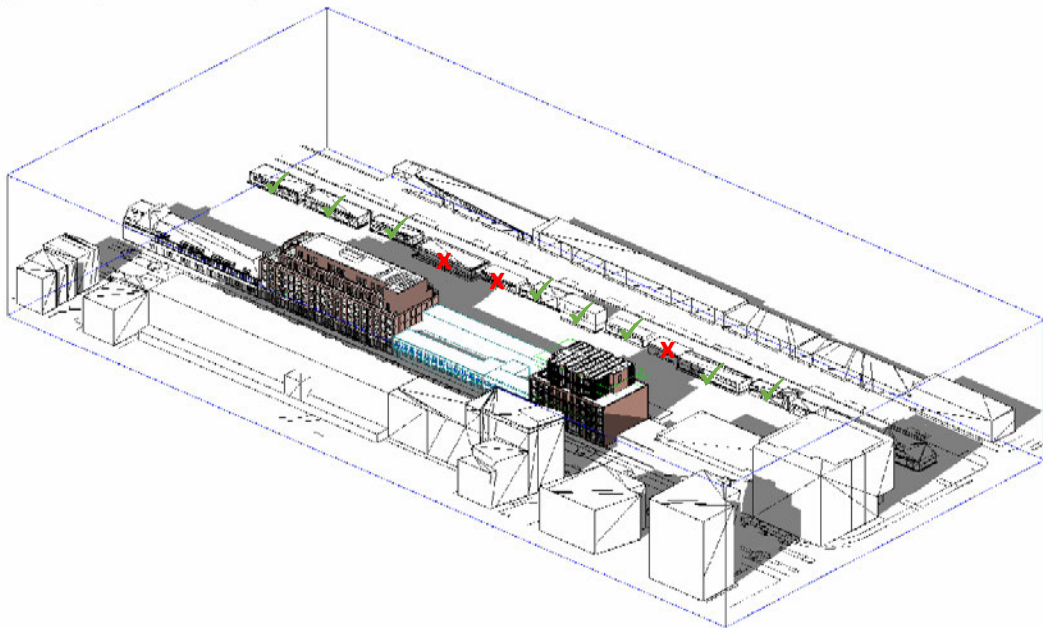
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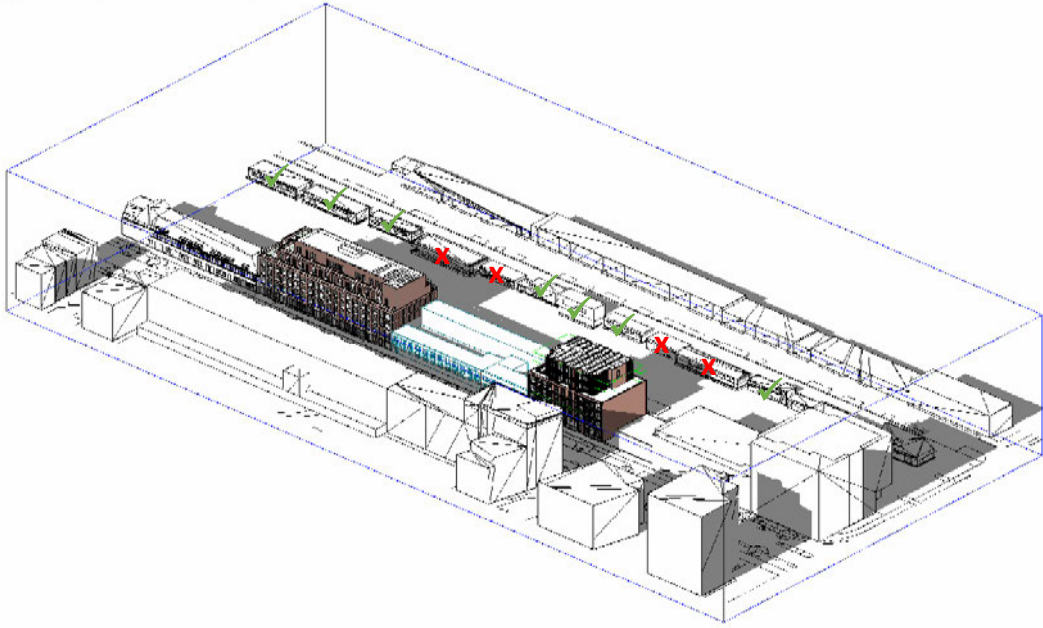
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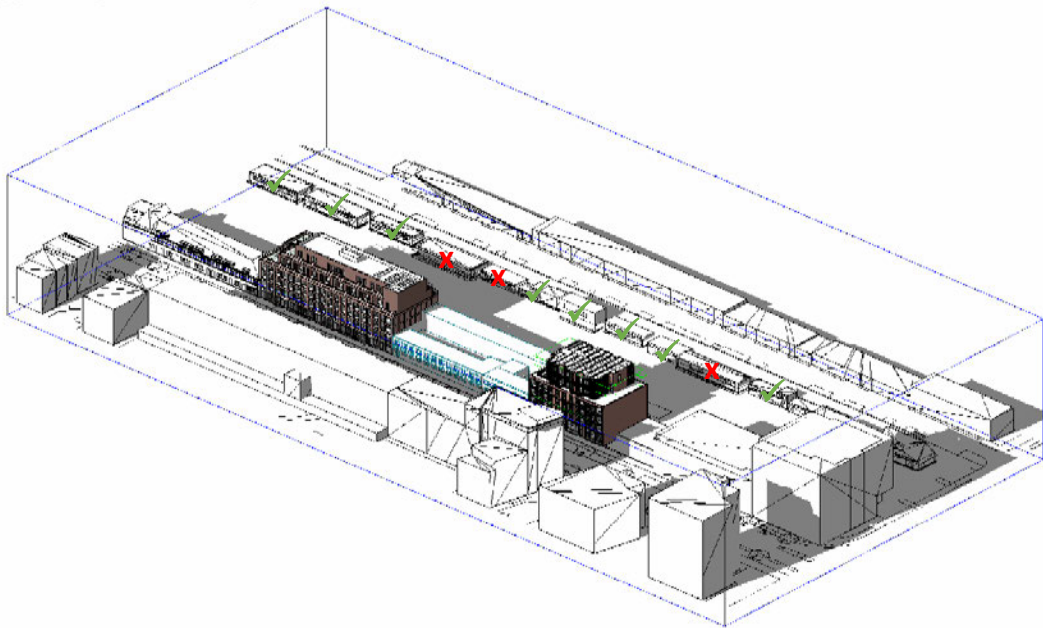
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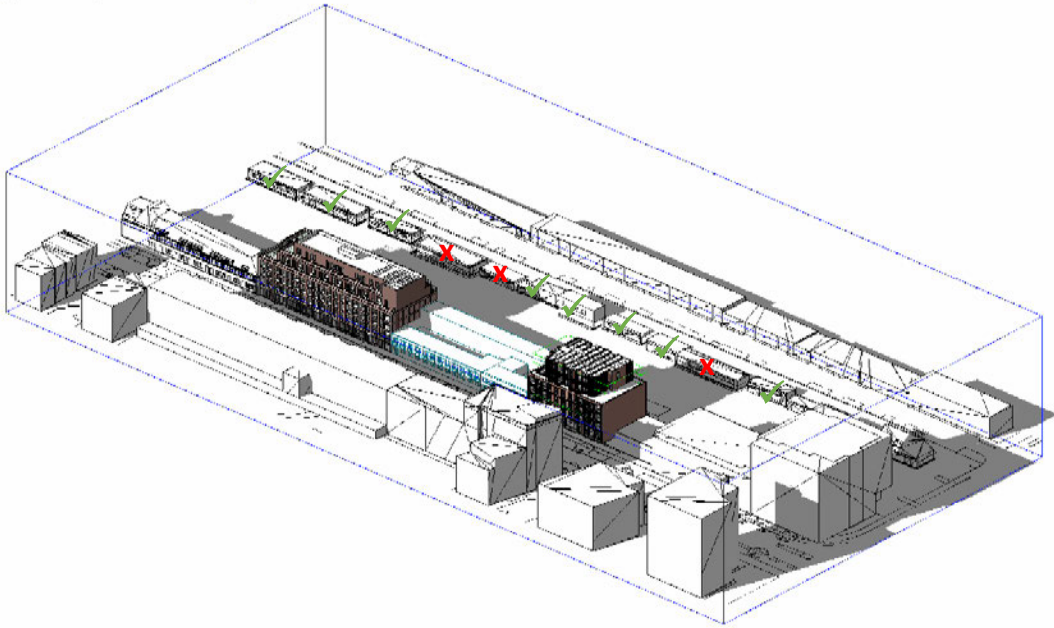
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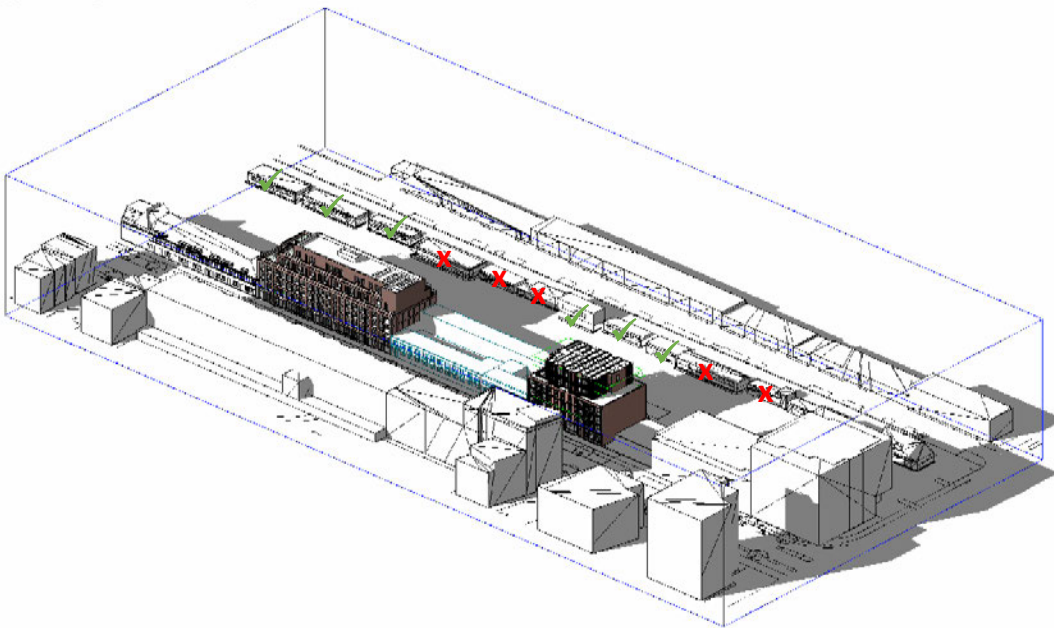
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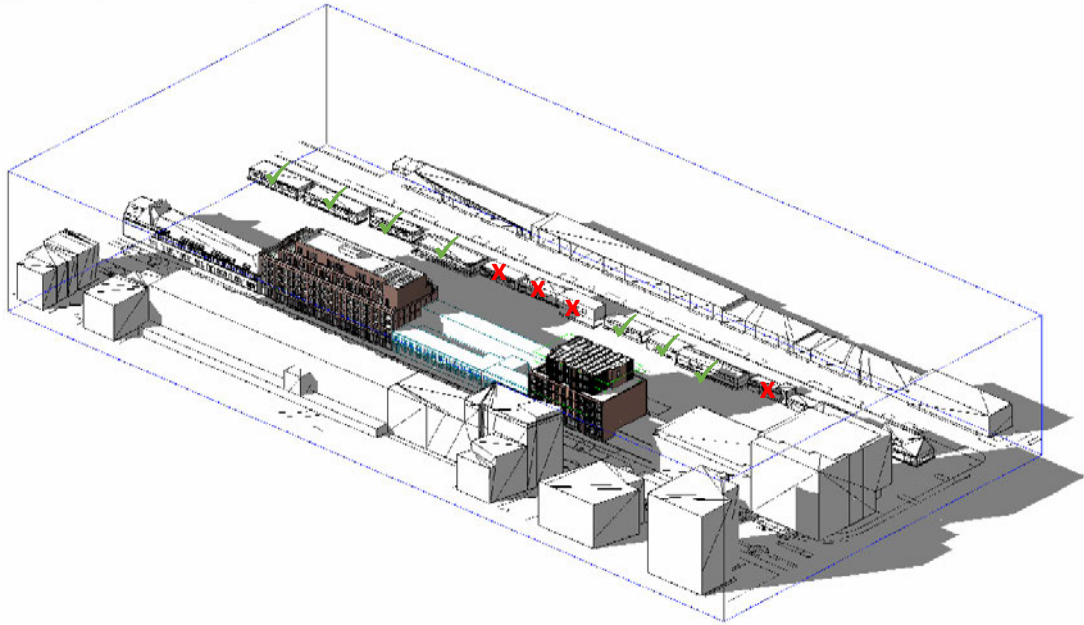
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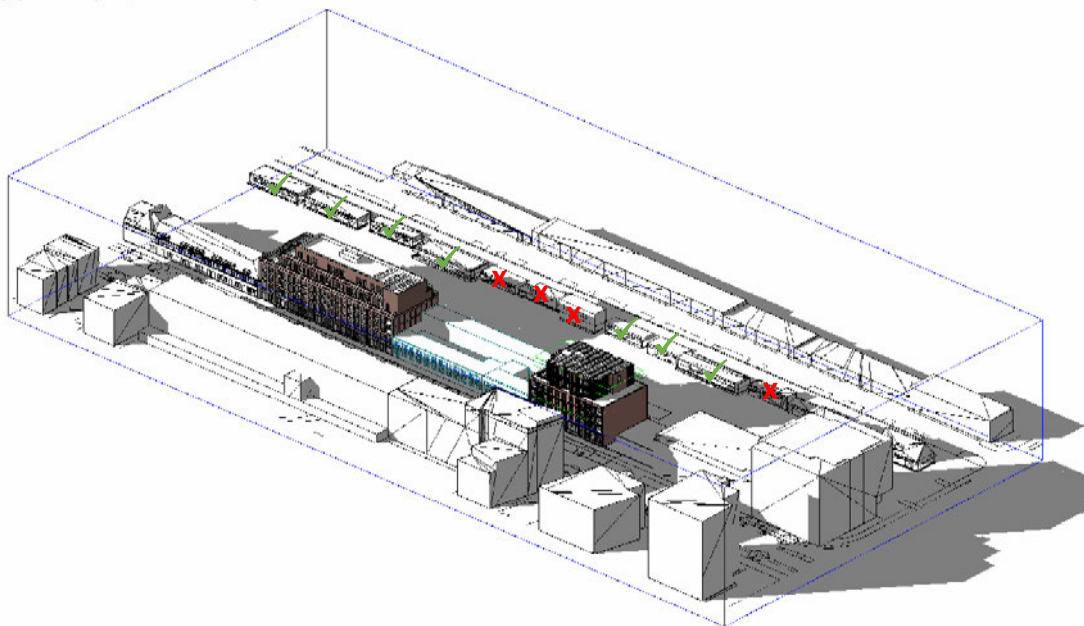
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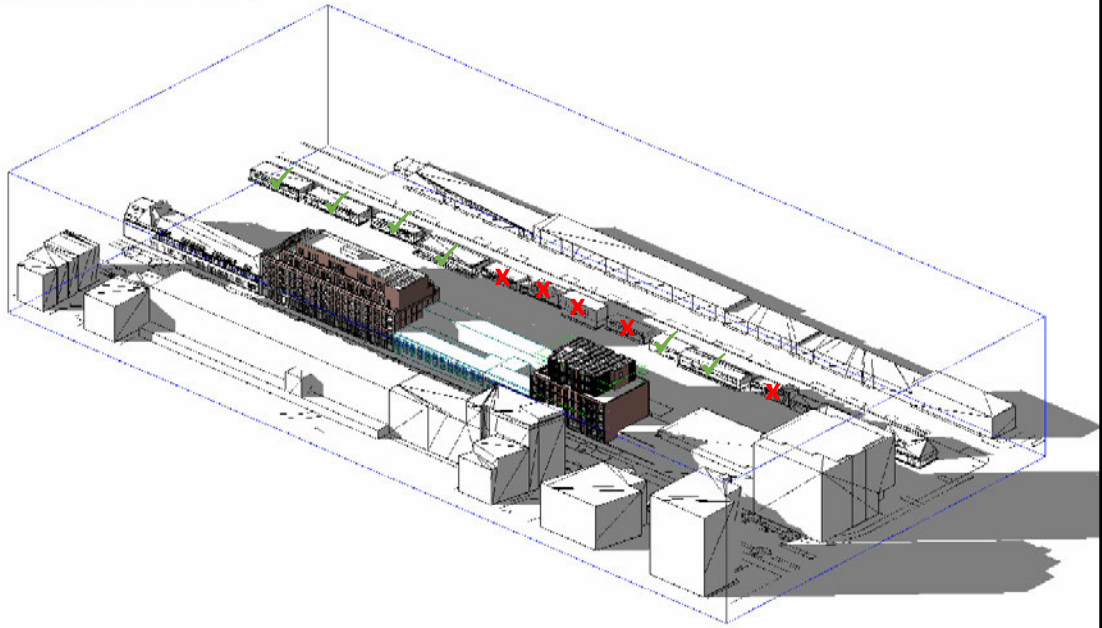
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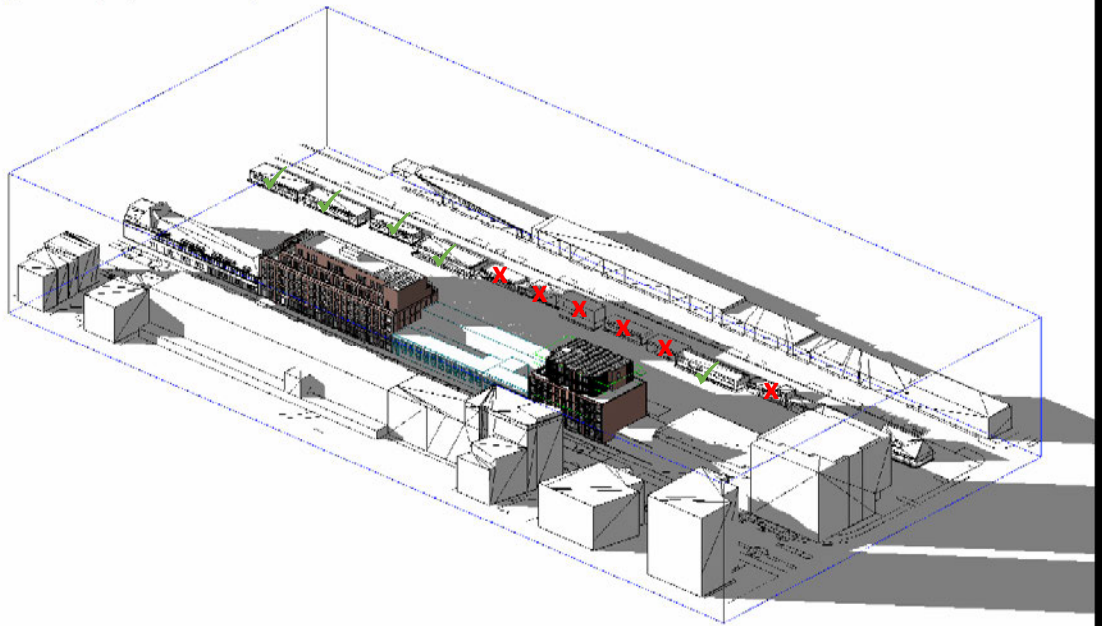
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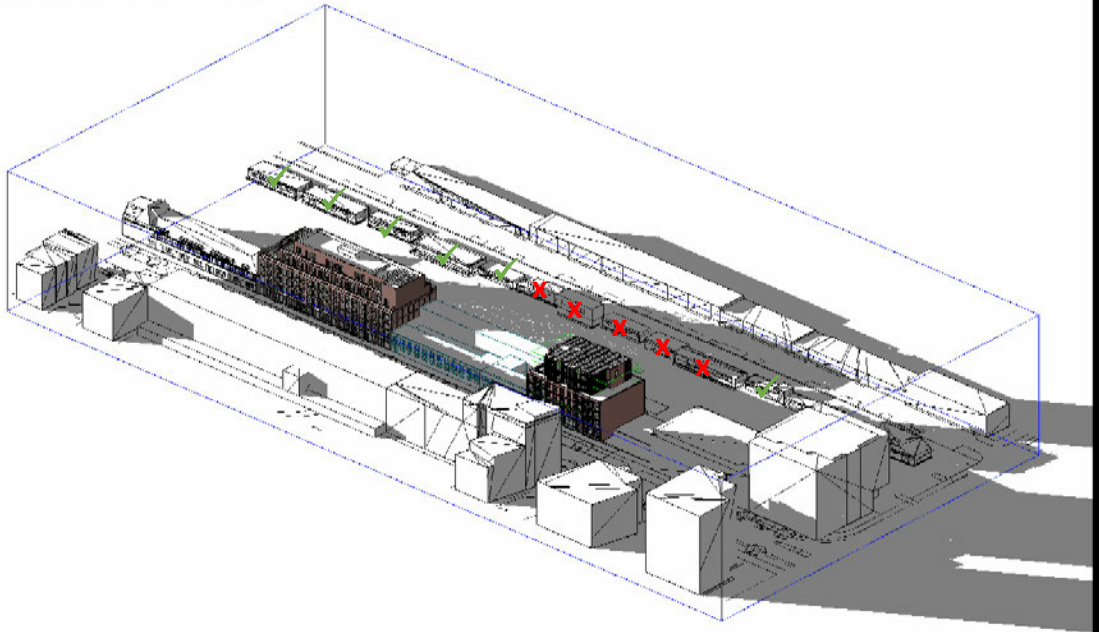
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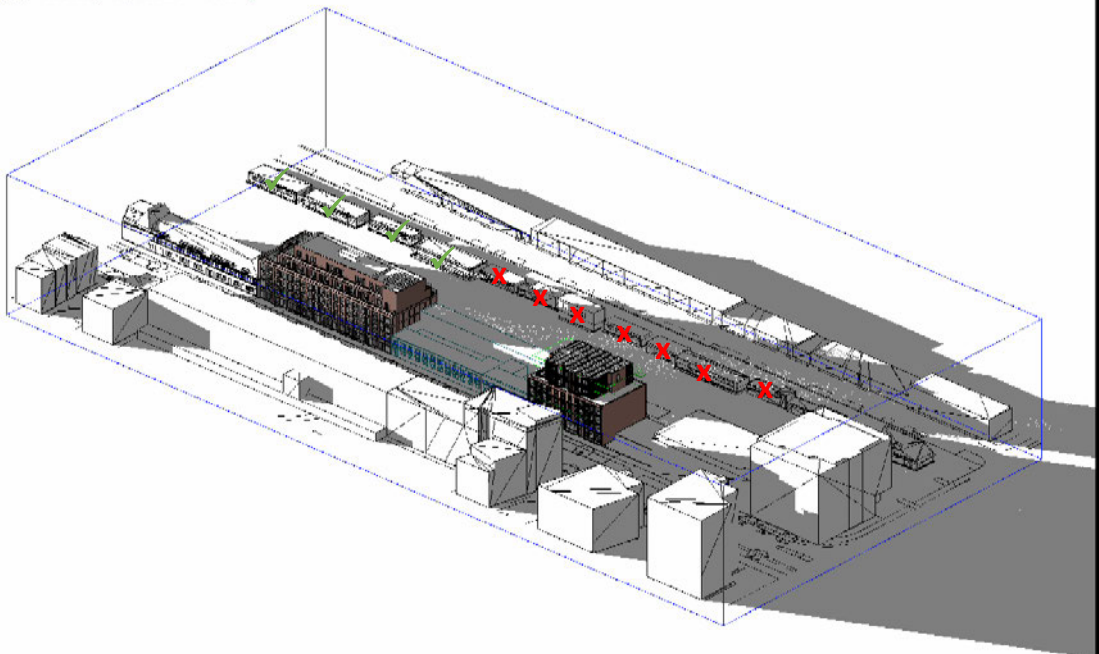
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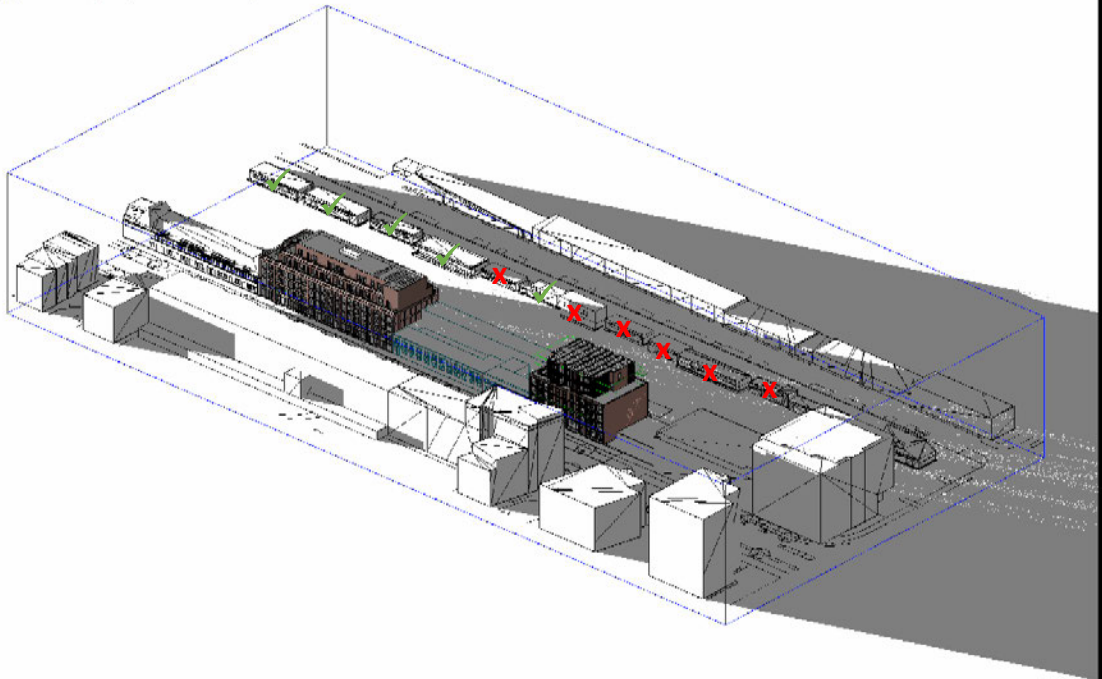


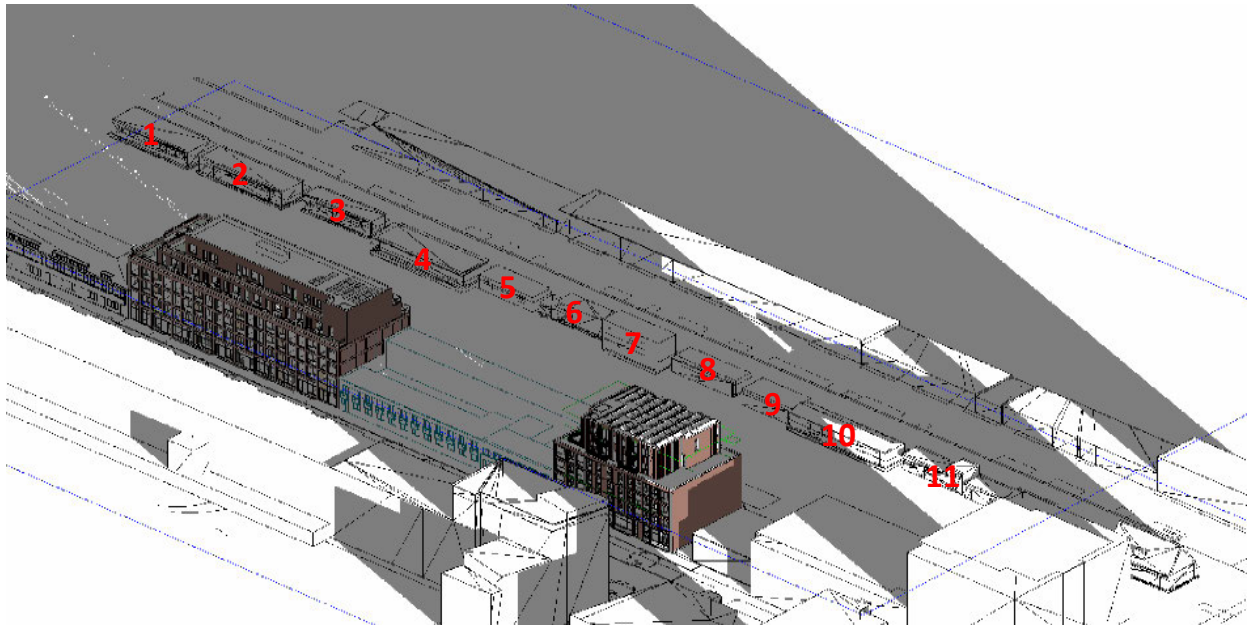
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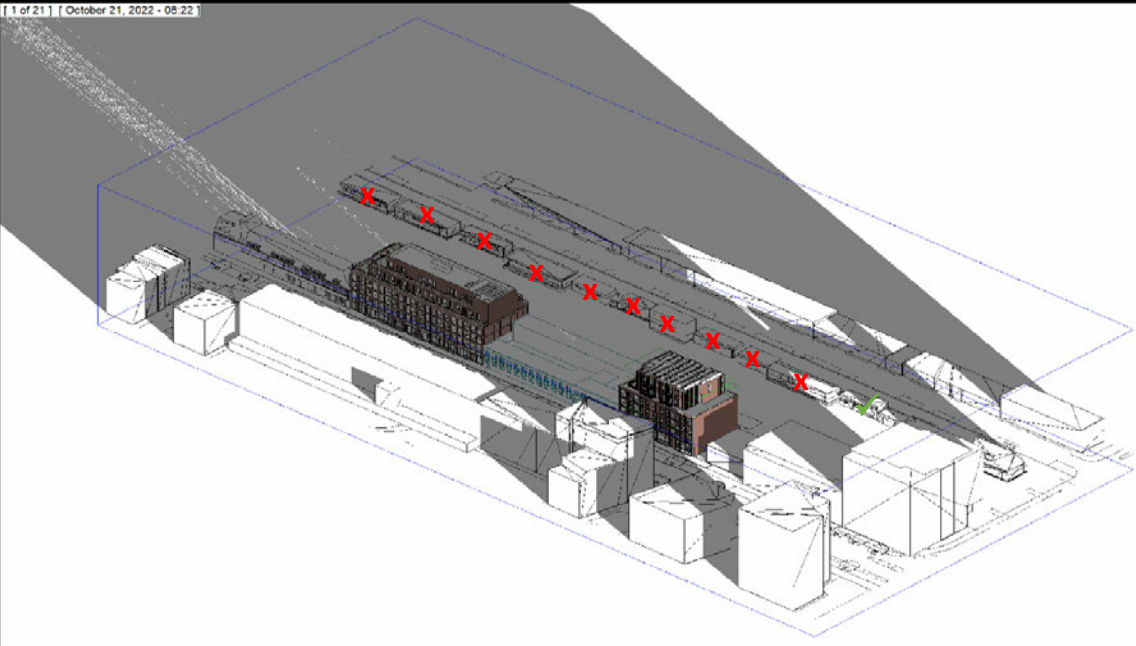
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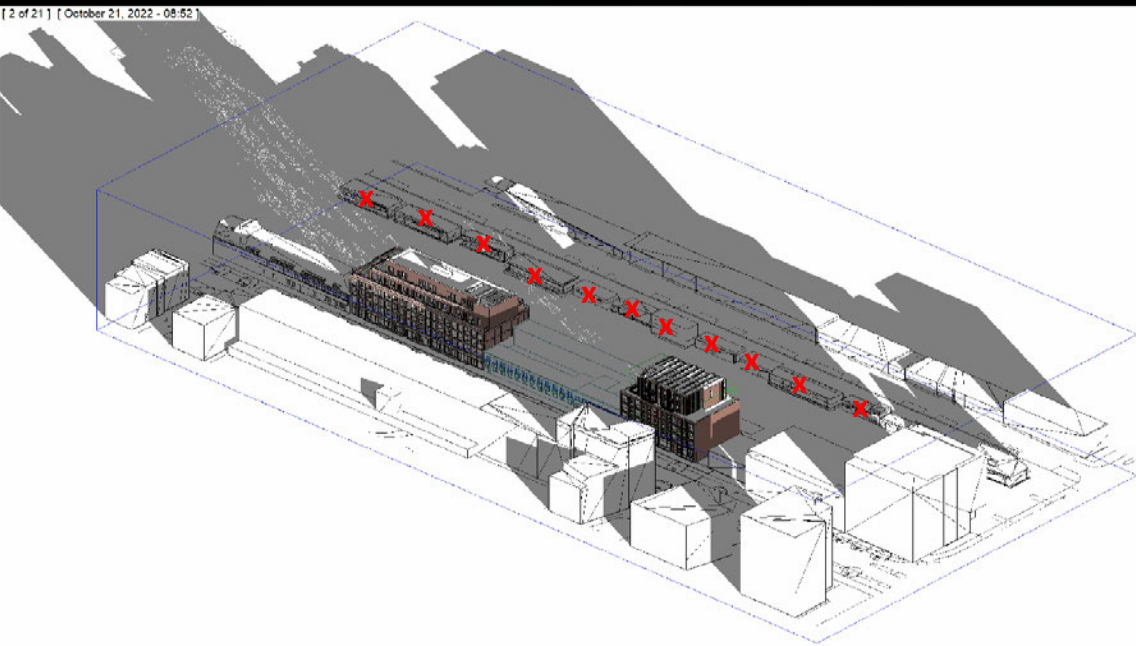




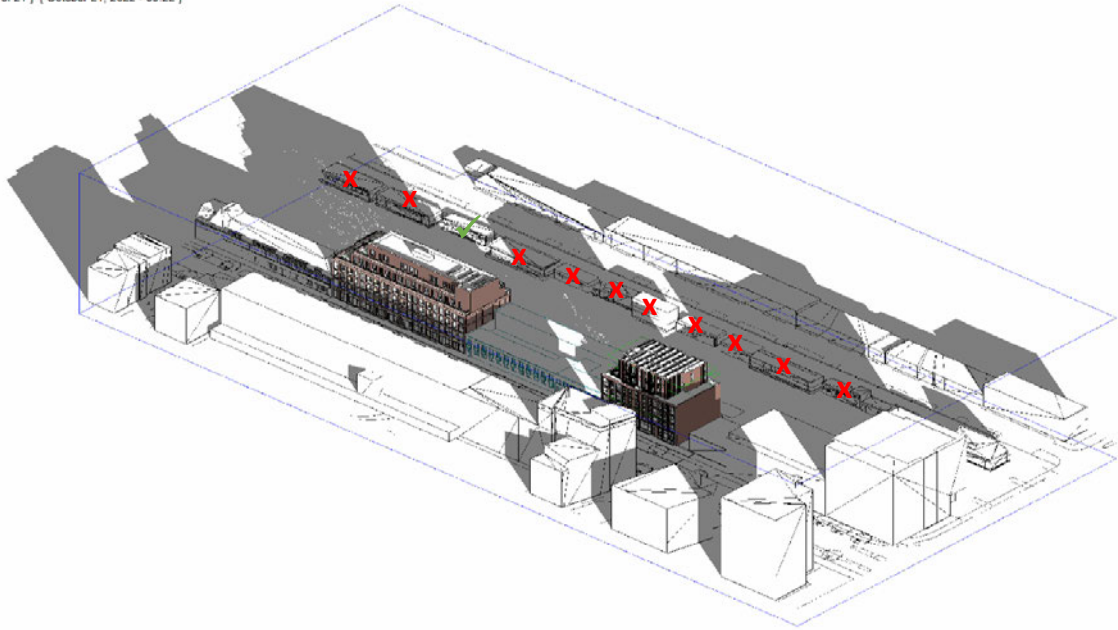
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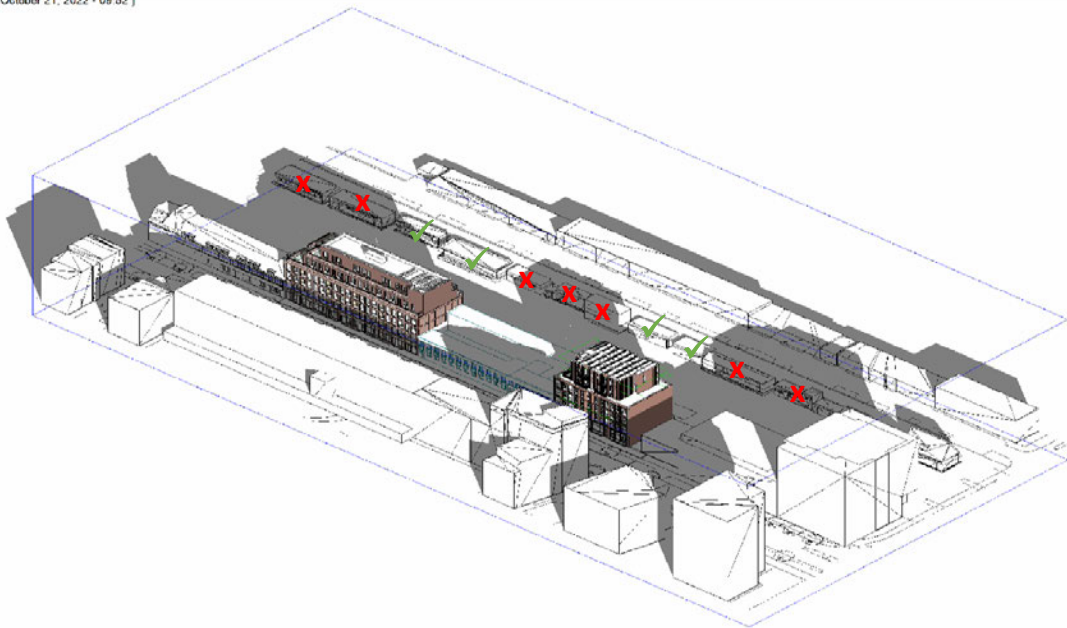
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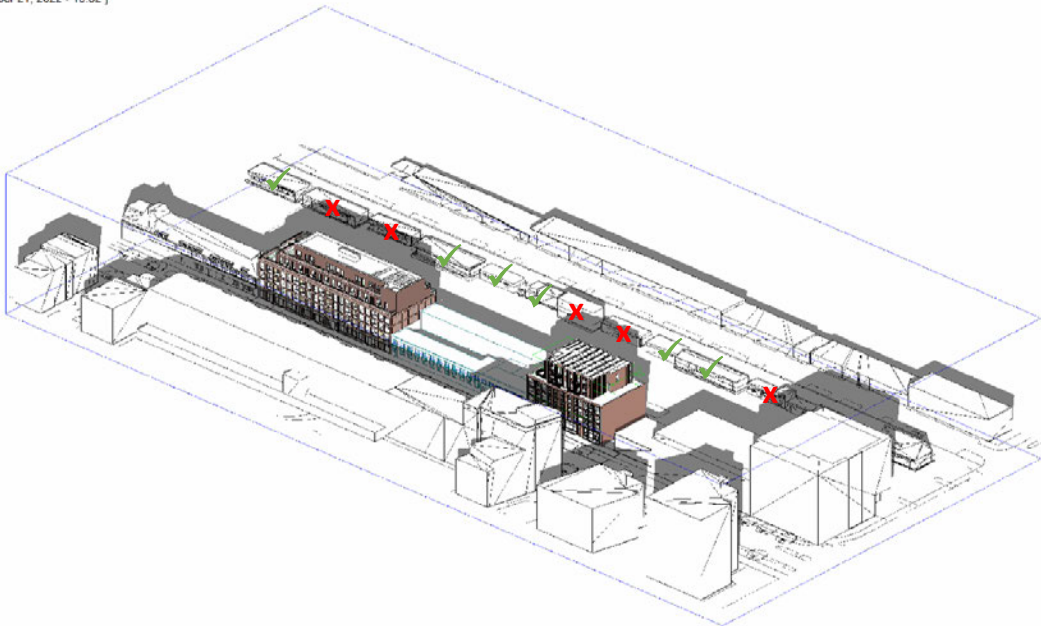
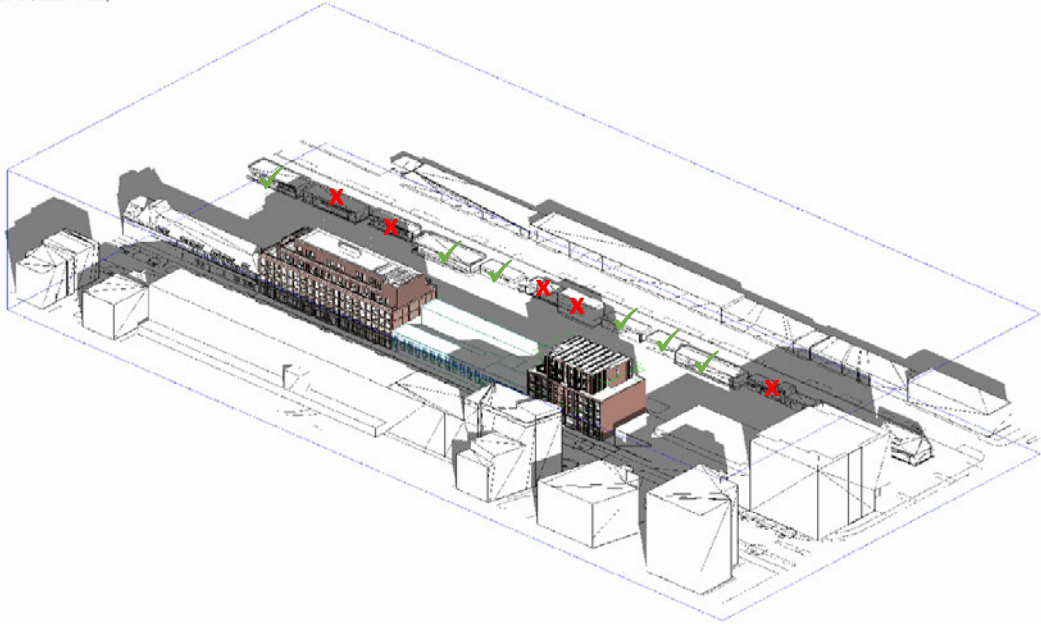


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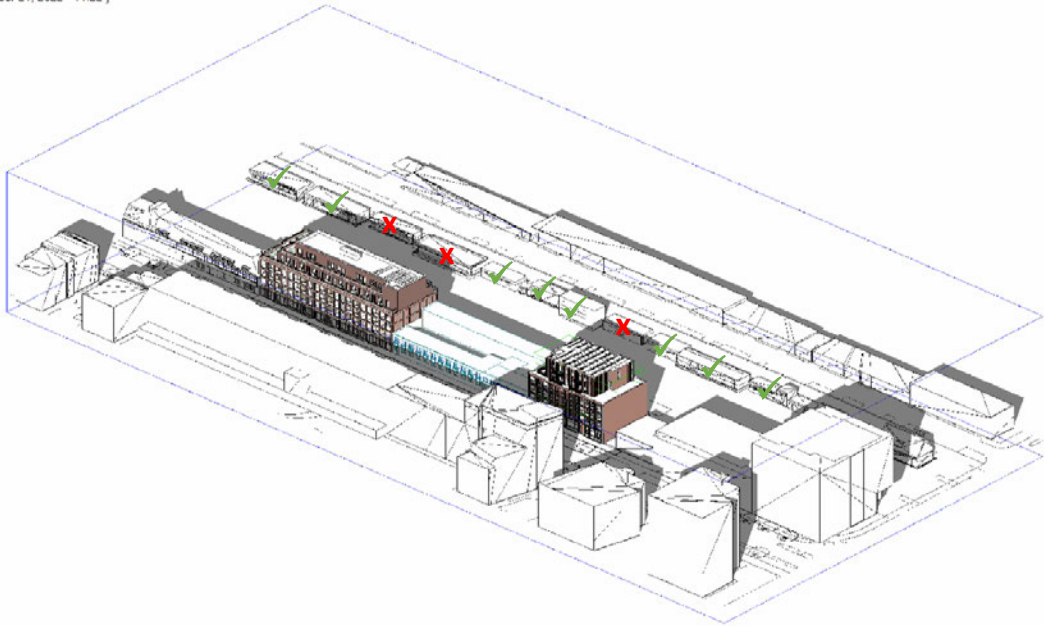


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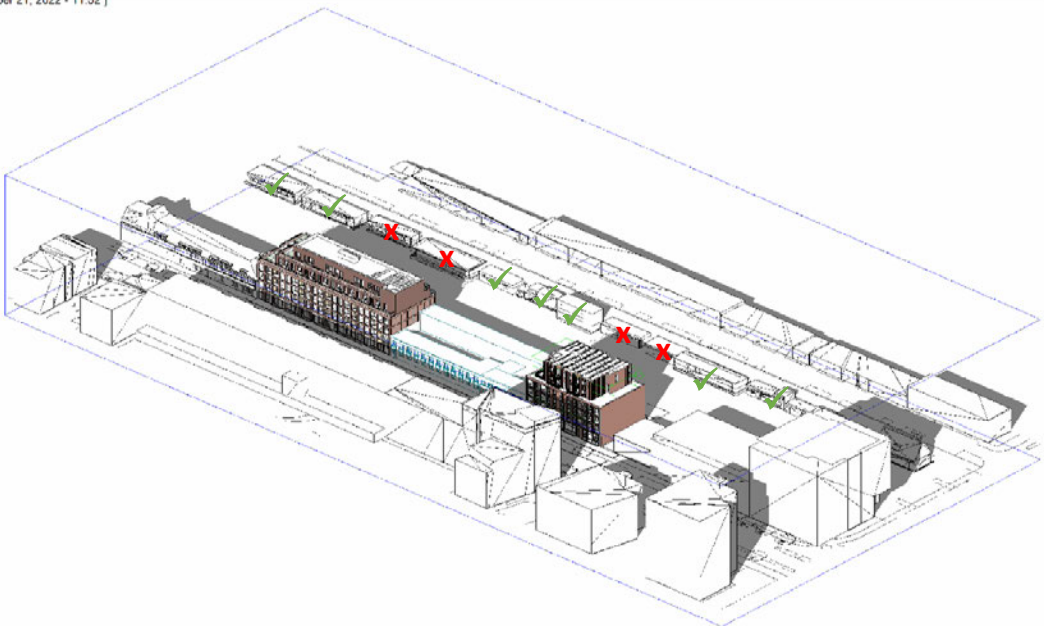


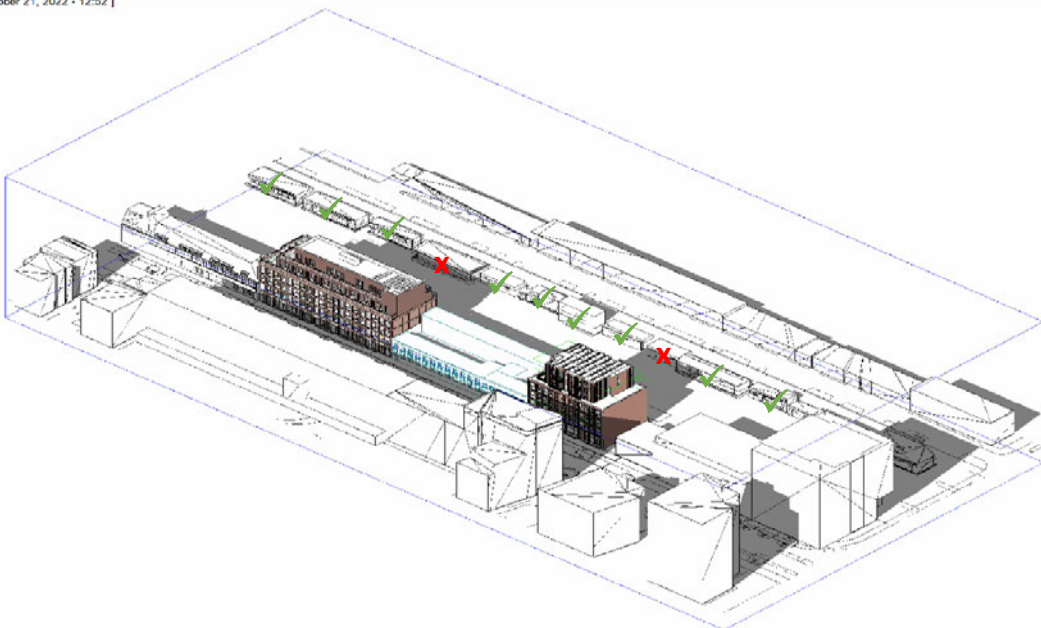
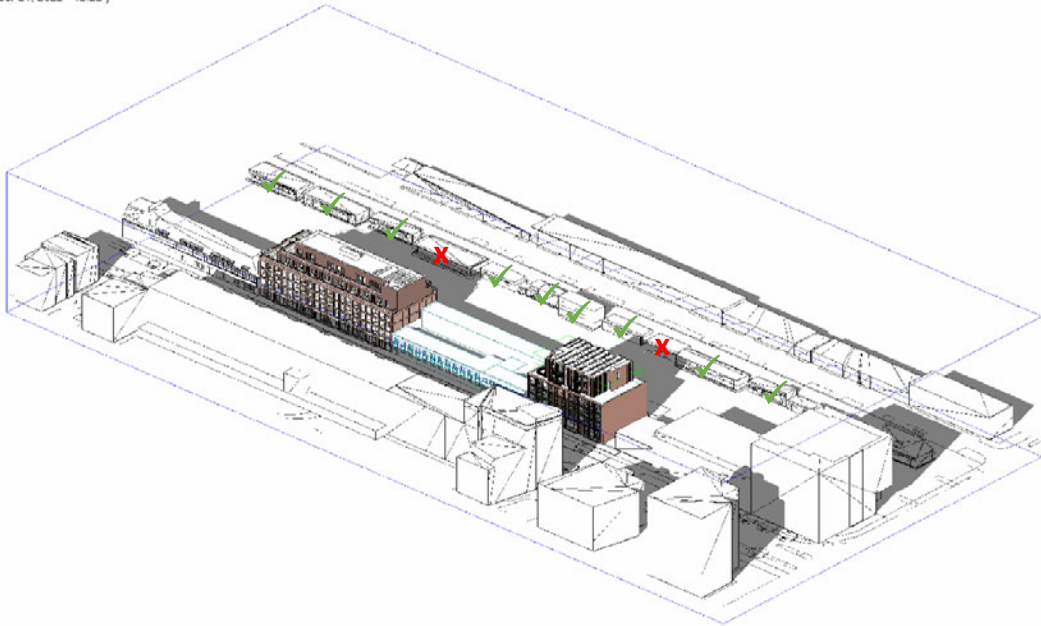


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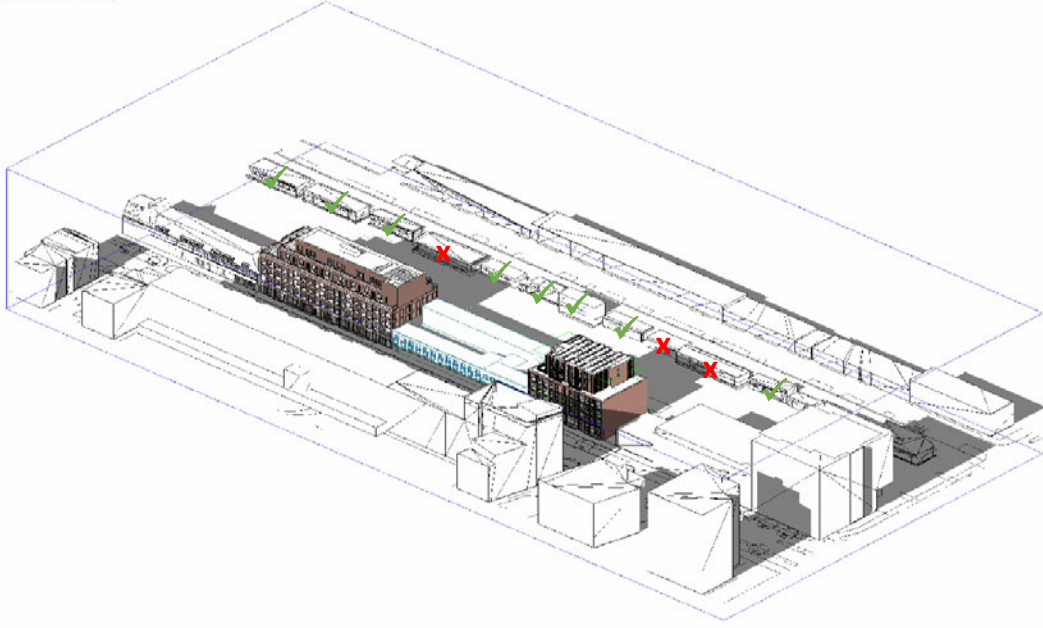


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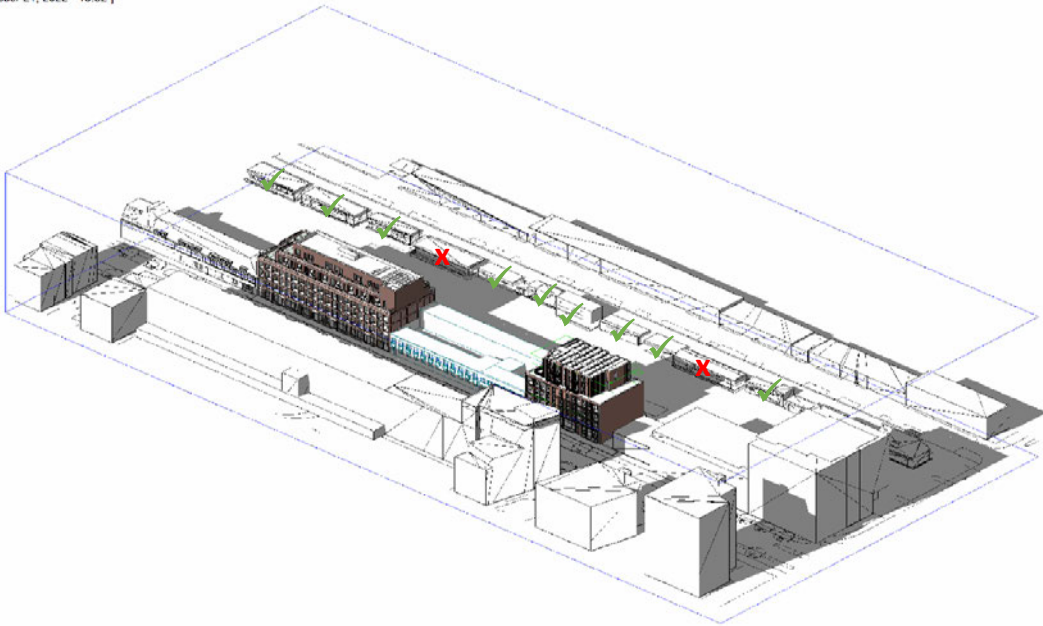


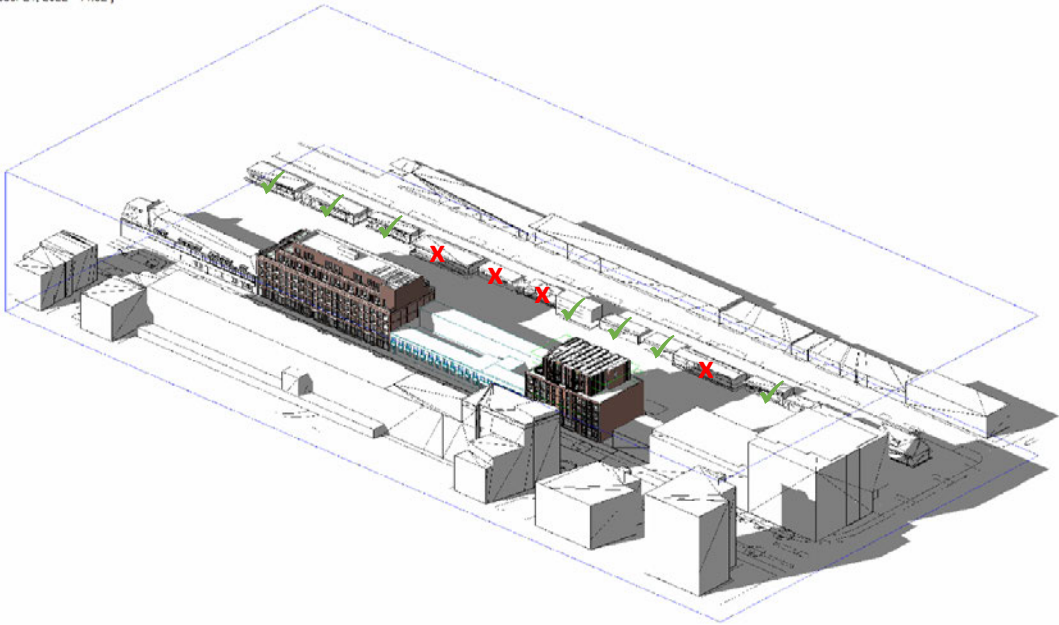
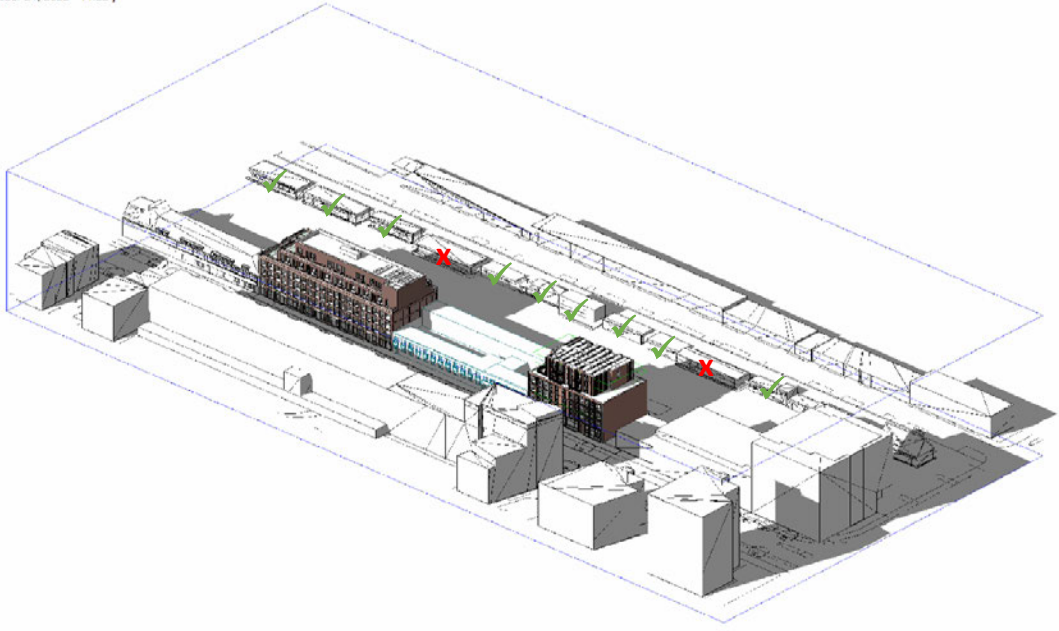


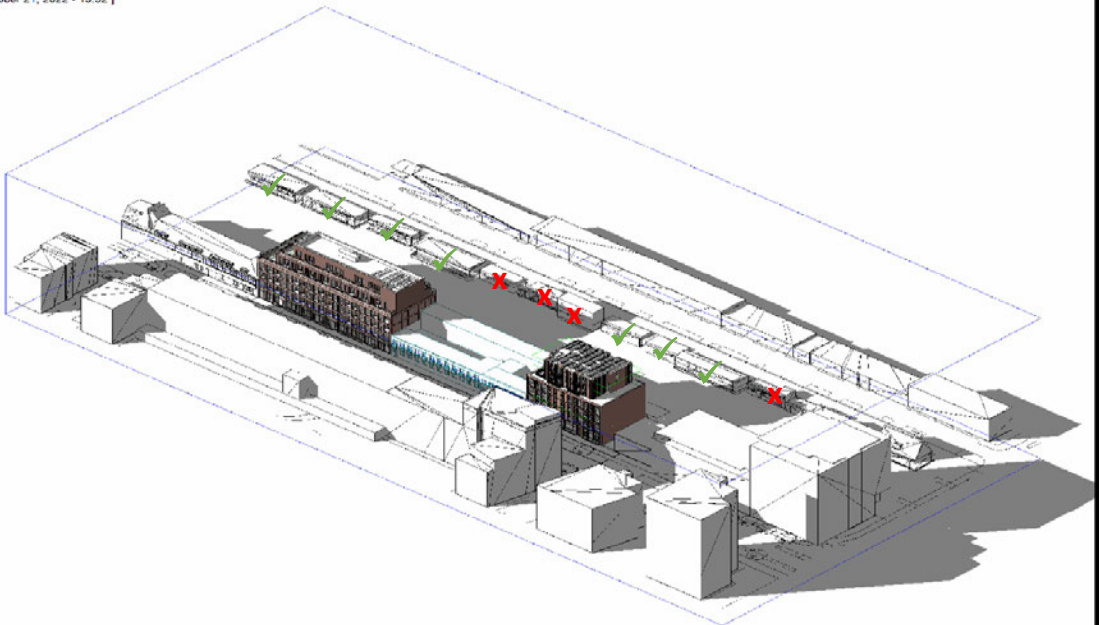
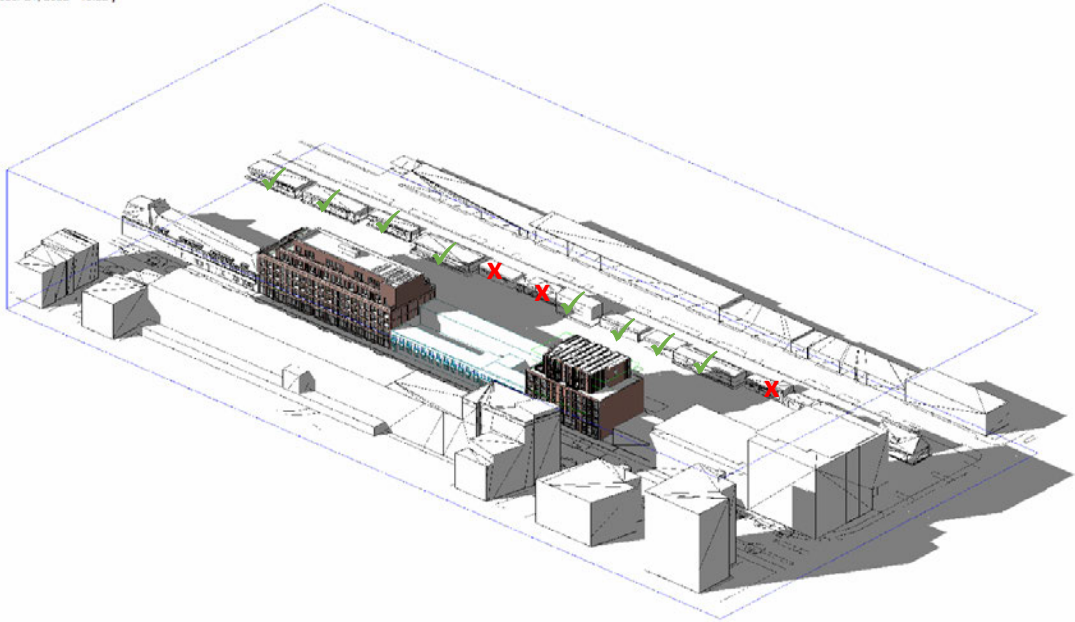
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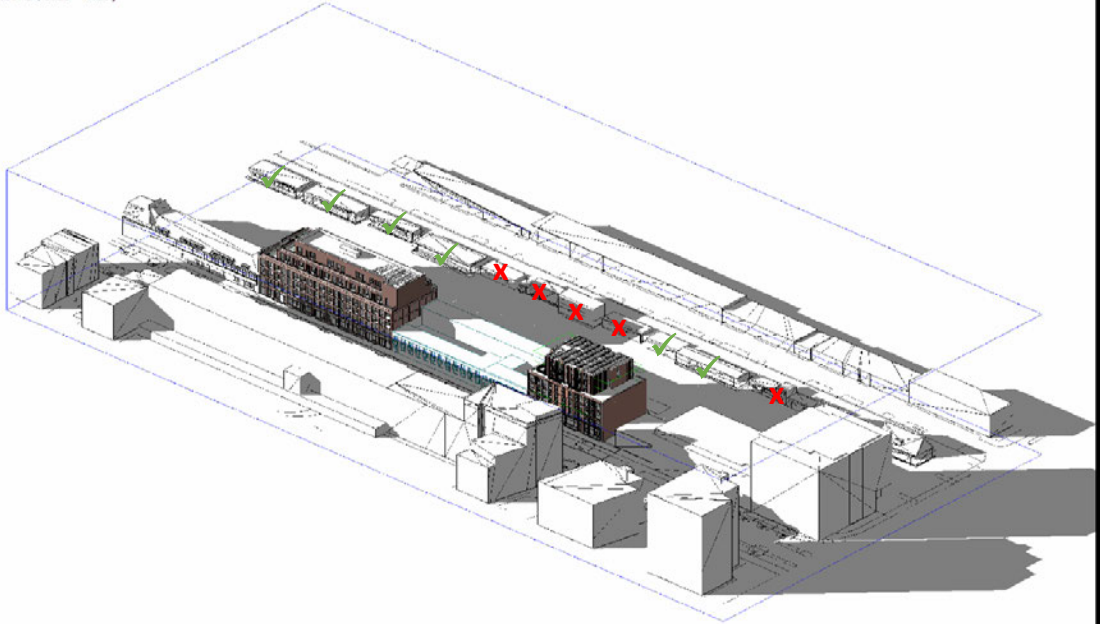
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[17 of 21] | October 21, 2022 - 16:22]



[18 of 21] | October 21, 2022 - 16:52]

