



Contents

*Customer & Configuration Details* .....2

*Solution Visualizations* .....2

*BOM Estimate Details* .....12

*Disclaimer* .....13

# Wi-Fi Network Report

## Customer & Configuration Details

### Customer Details

Name: Eurosyst

Country: Belgium

Vertical: Wholesale/Distribution

*Project Created:* 10 August, 2021

### Network Requirements

*No of Users:* 100

*Primary Use case:* Data

*Additional Requirement:*

*Architecture:* Central site / On premise

*Product Recommendation*

Good: 14 C9115AXI-E, 1 C9300-24UX-A, 2 C9800-L-C-K9

Better: 15 C9120AXI-E, 1 C9300-24UX-A, 2 C9800-L-C-K9

Best: 14 C9130AXI-E, 1 C9300-24UX-A, 2 C9800-L-C-K9

\*Based on network requirements

### Output selection Rationale

1. Data requirement will produce a 2K ft<sup>2</sup>/185 m<sup>2</sup> in an open office floor plan

Solution Visualizations

2021-08-06\_L0582-91-UD-CAD-210602\_-

\_Glazen\_wanden\_\_\_deuren\_\_eurosys 1

Signal Strength for 2021-08-06\_L0582-91-UD-CAD-210602\_-

\_Glazen\_wanden\_\_\_deuren\_\_eurosys 1 on 2.4 GHz band

Signal Strength - sometimes called coverage - is the most basic requirement for a wireless network. As a general guideline, low signal strength means unreliable connections, and low data throughput.



Signal Strength for 2021-08-06\_L0582-91-UD-CAD-210602\_-

\_Glazen\_wanden\_\_\_deuren\_\_eurosys 1 on 5 GHz band

## Wi-Fi Network Report

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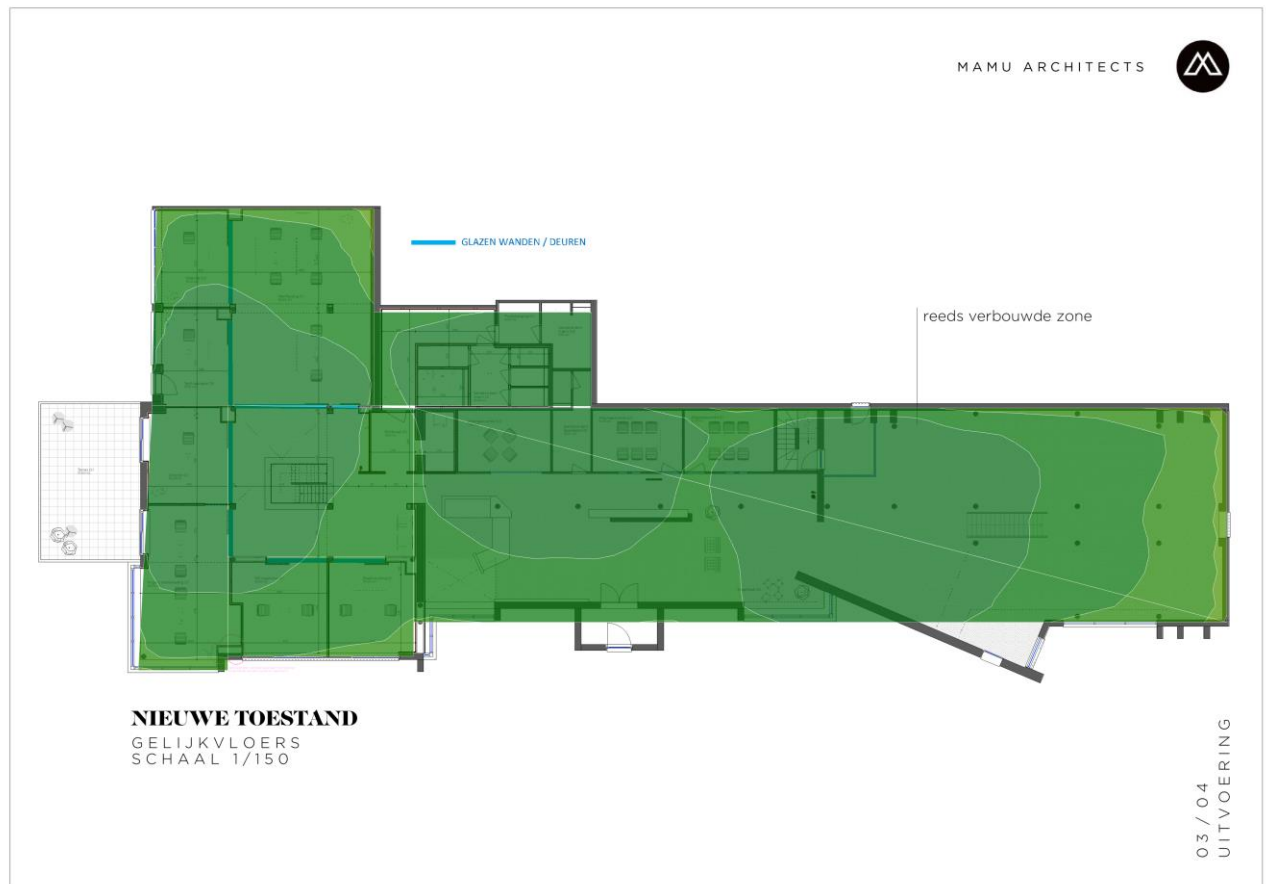


## Signal To Noise Ratio (SNR) for 2021-08-06\_L0582-91-UD-CAD-210602\_- \_Glazen\_wanden\_\_\_deuren\_\_\_eurosys 1 on 2.4 GHz band

Signal-To-Noise Ratio indicates how much the signal strength is stronger than the noise (co-channel interference). Signal must be stronger than noise (SNR greater

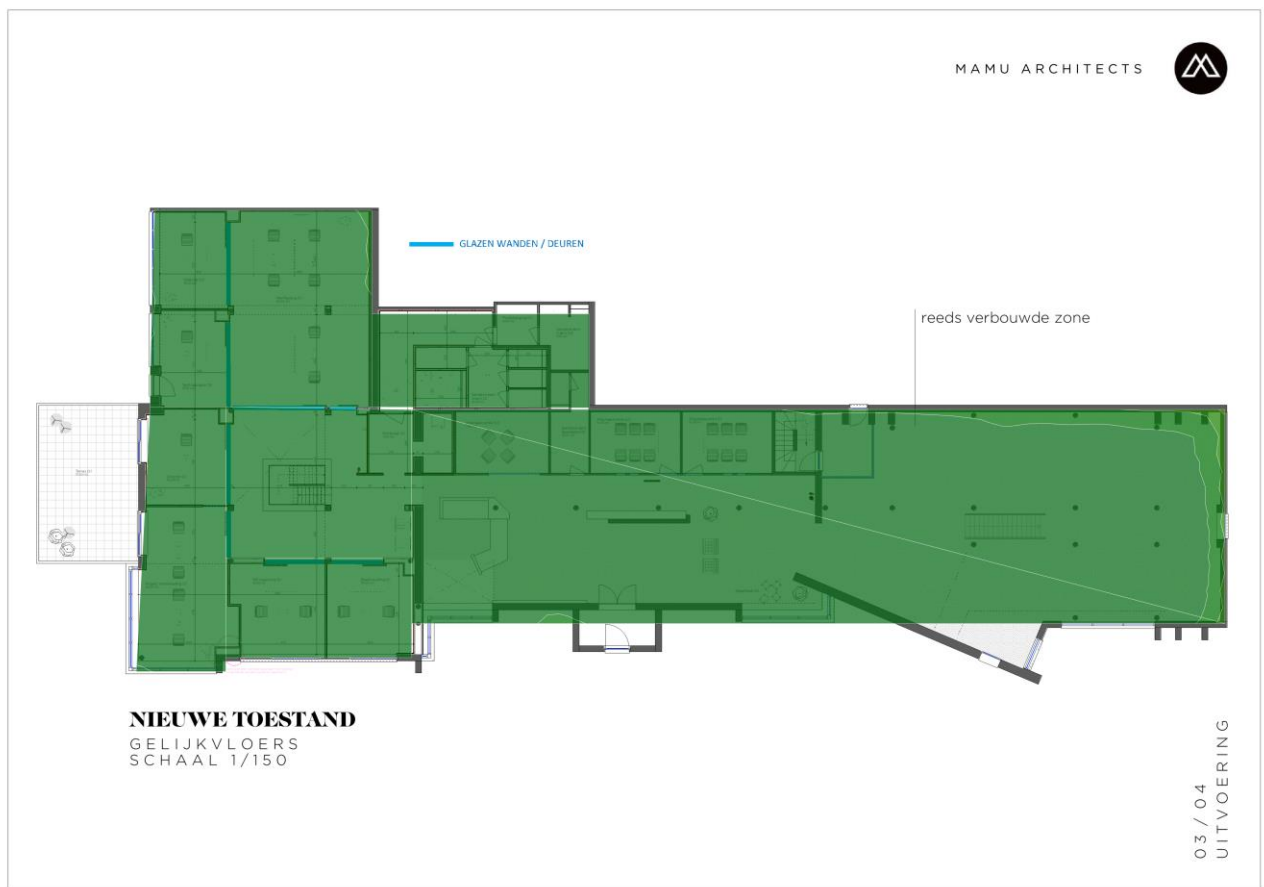
## Wi-Fi Network Report

than zero) for data transfer to be possible. If the signal is only barely stronger than noise, you may encounter occasional connection drop-offs.



**Signal To Noise Ratio (SNR) for 2021-08-06\_L0582-91-UD-CAD-210602\_-  
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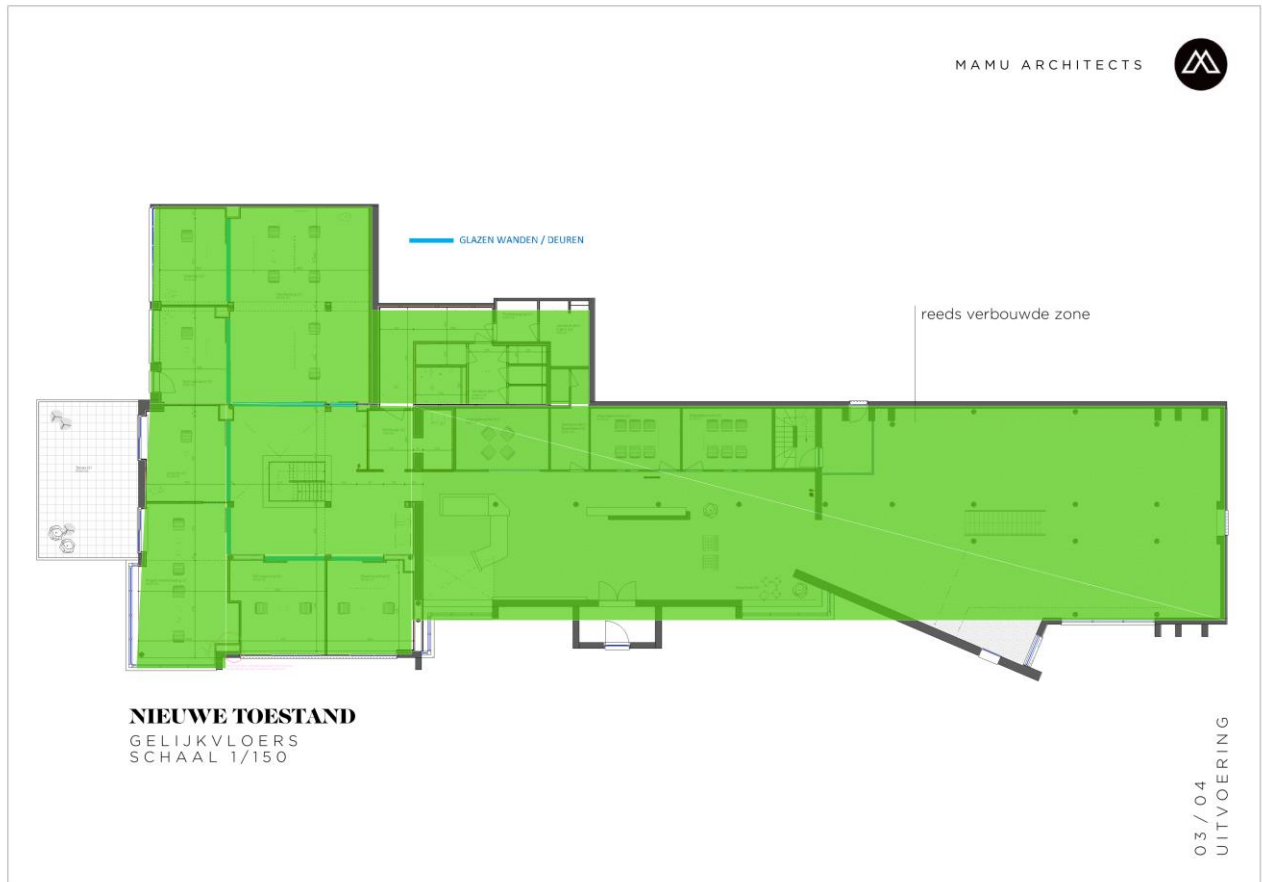
Signal-To-Noise Ratio indicates how much the signal strength is stronger than the noise (co-channel interference). Signal must be stronger than noise (SNR greater than zero) for data transfer to be possible. If the signal is only barely stronger than noise, you may encounter occasional connection drop-offs.



**Channel Interference for 2021-08-06\_L0582-91-UD-CAD-210602\_-  
\_Glazen\_wanden\_\_deuren\_\_eurosys 1 on 5 GHz band**

## Wi-Fi Network Report

Channel interference indicates the number of access points overlapping at each location in a single channel.



## Solution Visualizations

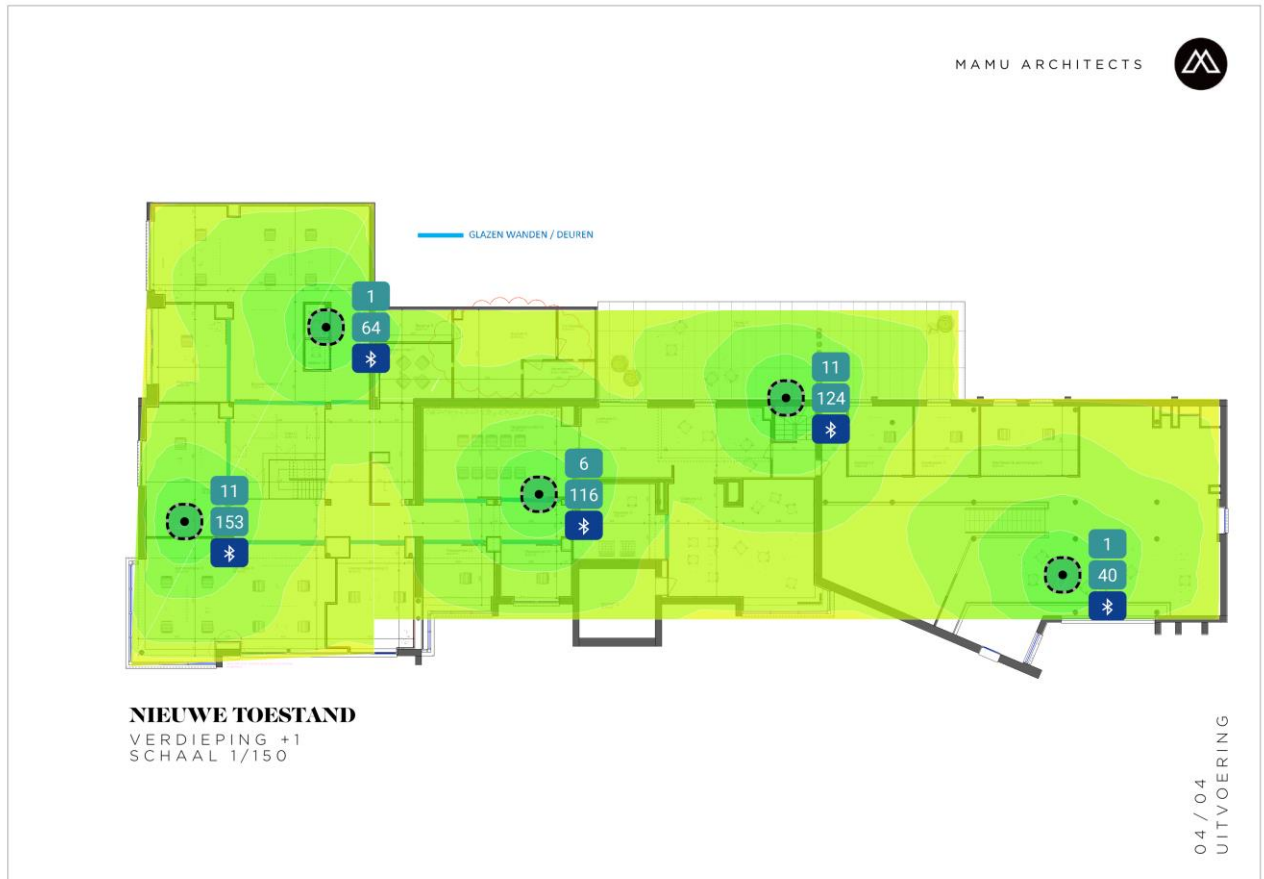
2021-08-06\_L0582-91-UD-CAD-210602\_-

\_Glazen\_wanden\_\_\_deuren\_\_eurosys 2

Signal Strength for 2021-08-06\_L0582-91-UD-CAD-210602\_-

\_Glazen\_wanden\_\_\_deuren\_\_eurosys 2 on 2.4 GHz band

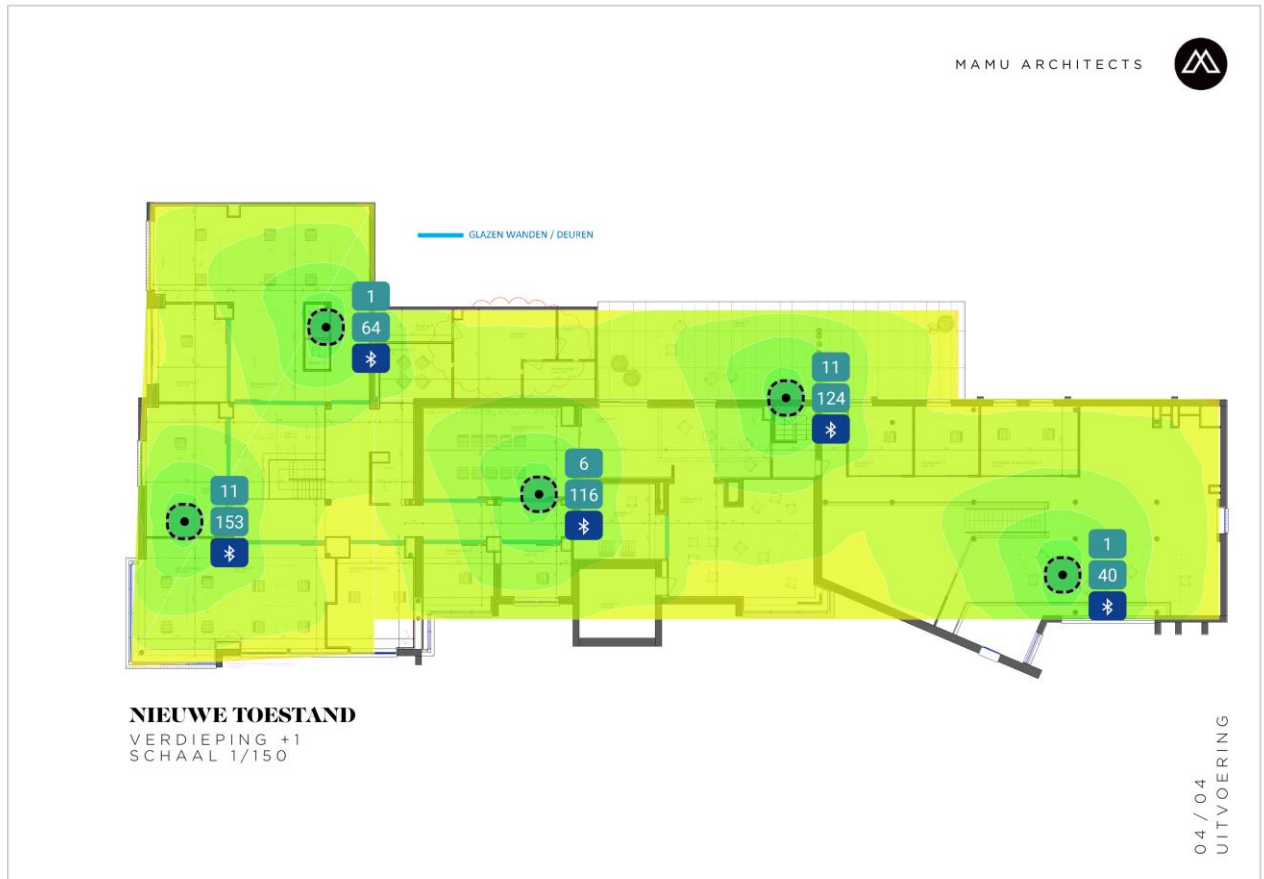
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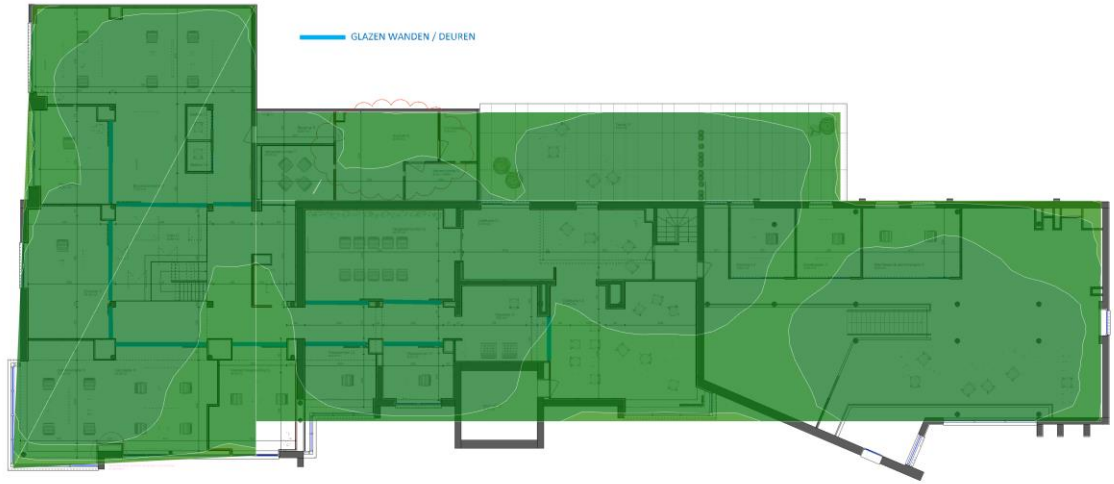
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\_Glazen\_wanden\_\_deuren\_\_eurosys 2 on 2.4 GHz band

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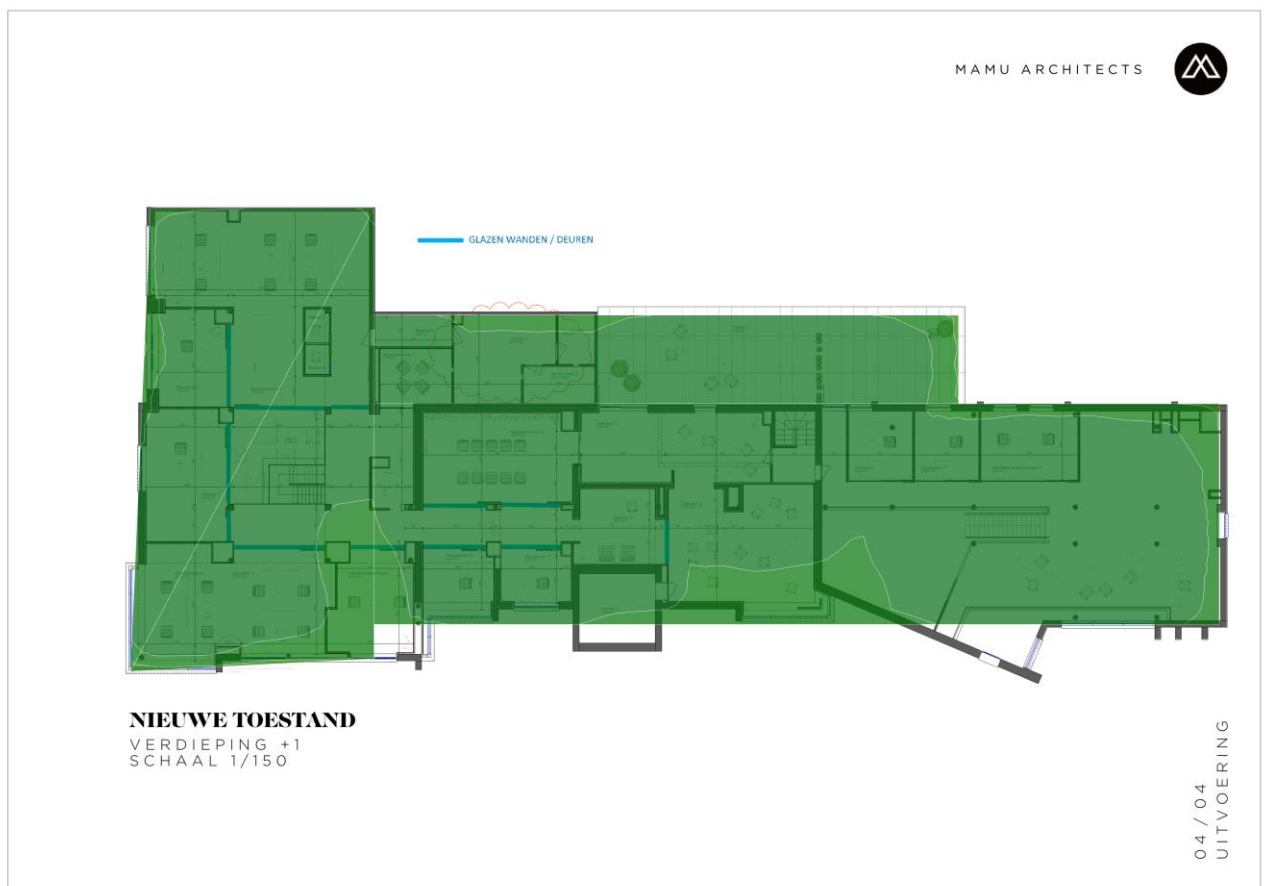
**NIEUWE TOESTAND**  
VERDIEPING +1  
SCHAAL 1/150

04 / 04  
UITVOERING



**Signal To Noise Ratio (SNR) for 2021-08-06\_L0582-91-UD-CAD-210602\_-  
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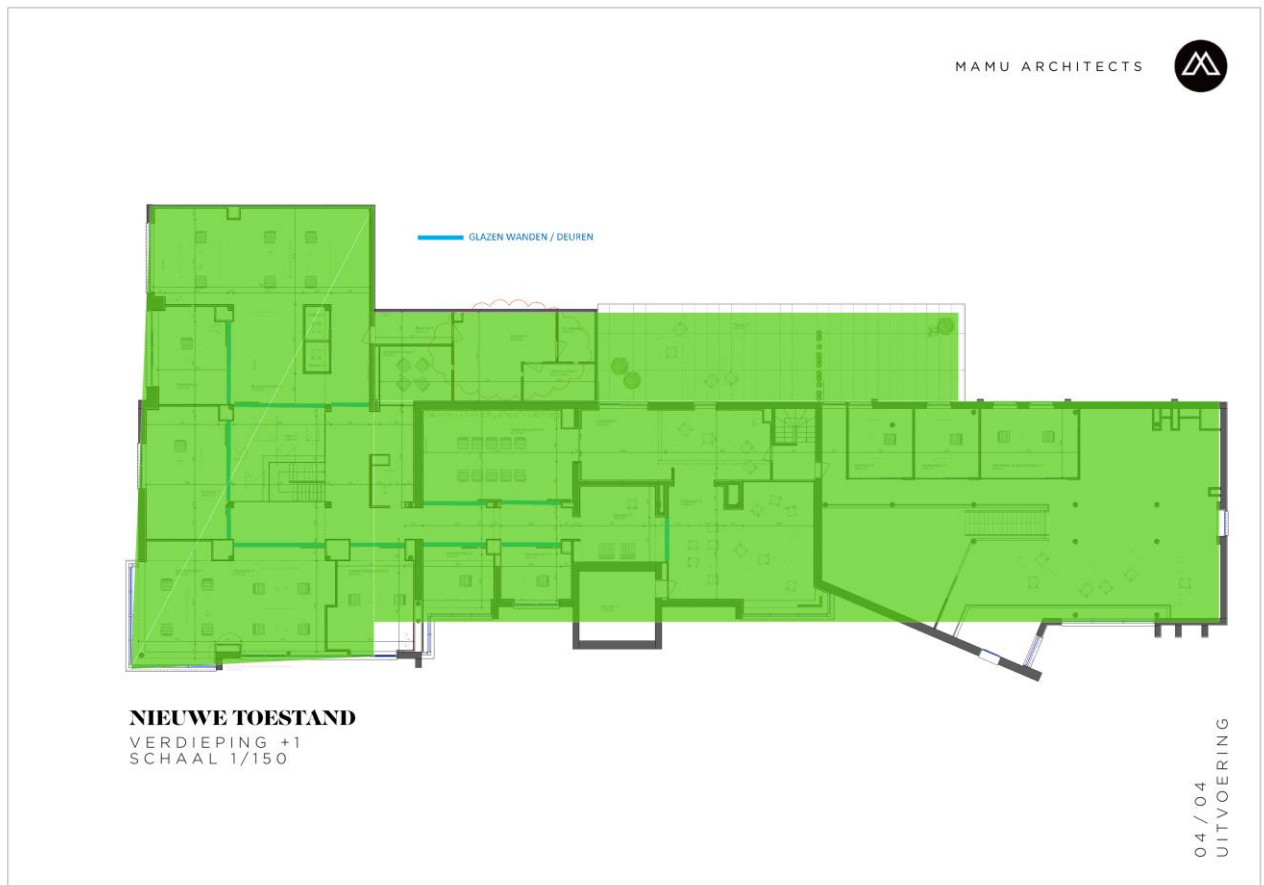
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# Wi-Fi Network Report

Channel interference indicates the number of access points overlapping at each location in a single channel.



## BOM Estimate Details

Bill of Material (BOM) - Best

Estimate Exported Date 10/08/21

CCW Estimate ID: BZ128218383IQ

Product SKU	Quantity
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## Wi-Fi Network Report

C9130AXI-E	14
C9300-24UX-A	1
C9800-L-C-K9	2

## Disclaimer

The Wi-Fi Network design results of this planning exercise is a model which is based on the known AP characteristics and the input provided by the user. The design is being provided as part of a good faith estimate of the number and placements of APs that will be required. It does not constitute a guarantee of suitability for the end users requirements. Before implementing this design the values should be verified by a trained professional with a physical site survey. <https://www.ekahau.com/products/ekahau-connect/pro/>.

The estimate proposal is built to help provide a quick quote based on list price to your customer for planning and budgeting purposes. The estimate will need to be validated in CCW to ensure it has the right accessories, licenses and support required for customer network.

To ensure the right domain is selected for the Access Point please validate with the Cisco compliance lookup tool <https://www.cisco.com/c/dam/assets/prod/wireless/wireless-compliance-tool/index.html>.