Aerohive Planning Report

Introduction

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Complex environments should be verified with a survey to verify the assumptions used in an RF prediction.

Assumptions

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- Client Data Terminal Transmit (Tx) Power: >=15 dBm.
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- The EIRP (Effective Isotropic Radiated Power) of an AP's radio is determined by the Tx power setting, the antenna gain and cable losses. The antenna gain is an average gain obtained through measurements for the different AP types.
- Data rates are based on receive sensitivity numbers obtained through measurements for the different AP types, and a fade margin which is user configurable.

Note: These assumptions are typical for available 802.11 client Data Terminals and typical cubicle densities.

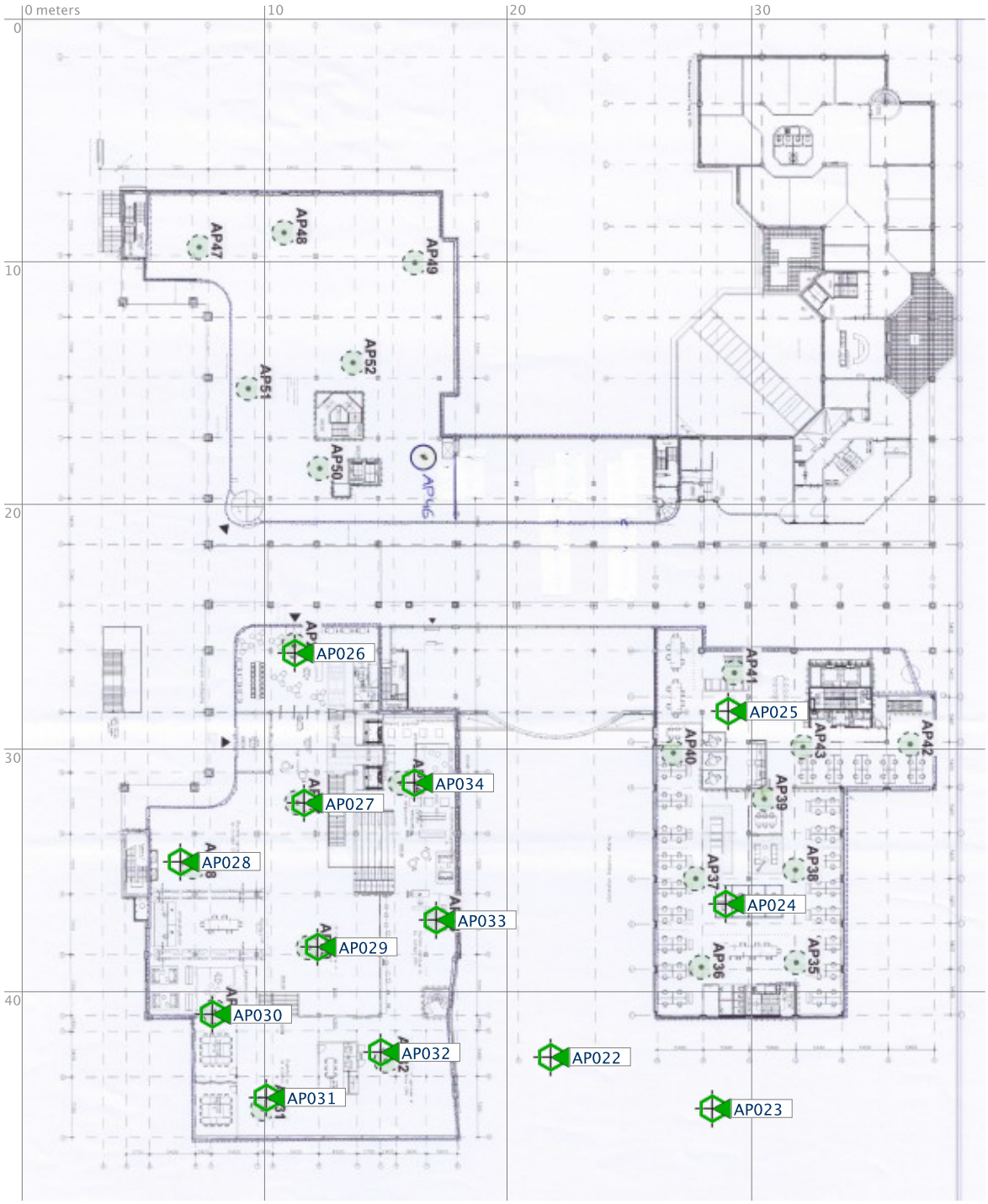
1. 2e Verdieping

Summary

Number of Devices assigned to 2e Verdieping

- 13 APs

Devices on 2e Verdieping



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP027	AP250	802.11ac	Auto(52)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	
AP030	AP250	802.11ac	-	-	-	-	
AP028	AP250	802.11ac	Auto(36)	Auto(11 dBm)	Auto(124)	Auto(11 dBm)	
AP023	AP250	802.11ac	Auto(36)	Auto(11 dBm)	Auto(116)	Auto(11 dBm)	
AP034	AP250	802.11ac	Auto(1)	Auto(11 dBm)	Auto(124)	Auto(11 dBm)	
AP029	AP250	802.11ac	-	-	-	-	
AP033	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	
AP025	AP250	802.11ac	Auto(11)	Auto(11 dBm)	Auto(132)	Auto(11 dBm)	
AP022	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(132)	Auto(11 dBm)	
AP032	AP250	802.11ac	Auto(100)	Auto(11 dBm)	Auto(132)	Auto(11 dBm)	
AP031	AP250	802.11ac	Auto(6)	Auto(11 dBm)	Auto(60)	Auto(11 dBm)	
AP026	AP250	802.11ac	Auto(52)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	
AP024	AP250	802.11ac	Auto(60)	Auto(11 dBm)	Auto(124)	Auto(11 dBm)	

Device Total For 2e Verdieping

Model	Part number	Total
AP250	AH-AP-250-AC-W	13

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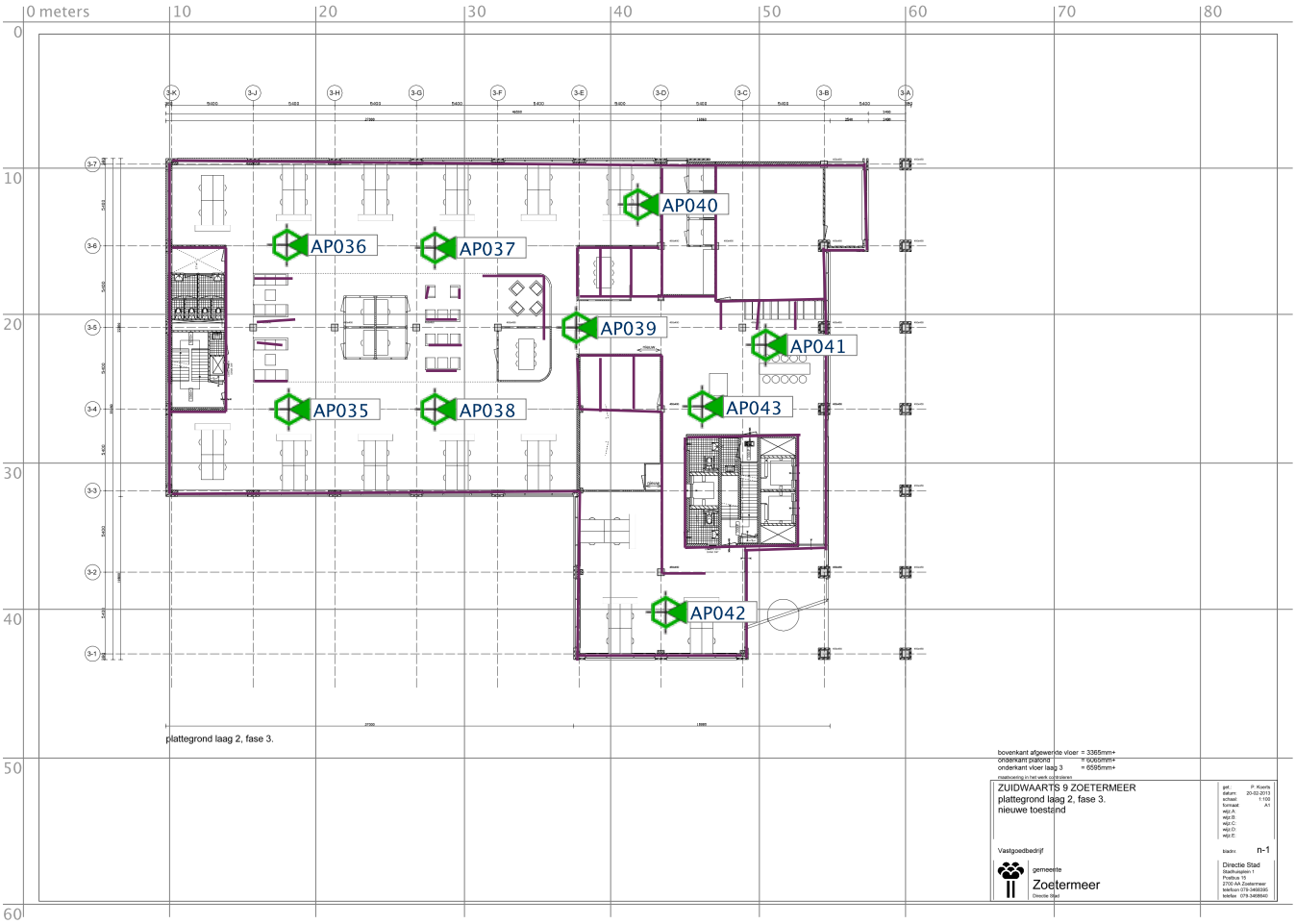
1. 2e Toren-WZI

Summary

Number of Devices assigned to 2e Toren-WZI

- 9 APs

Devices on 2e Toren-WZI



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP043	AP250	802.11ac	-	-	-	-	
AP042	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	
AP038	AP250	802.11ac	Auto(52)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	
AP039	AP250	802.11ac	Auto(100)	Auto(11 dBm)	Auto(124)	Auto(11 dBm)	
AP035	AP250	802.11ac	Auto(116)	Auto(11 dBm)	Auto(52)	Auto(11 dBm)	
AP041	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(52)	Auto(11 dBm)	
AP036	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP040	AP250	802.11ac	Auto(60)	Auto(11 dBm)	Auto(116)	Auto(11 dBm)	
AP037	AP250	802.11ac	Auto(36)	Auto(11 dBm)	Auto(132)	Auto(11 dBm)	

Device Total For 2e Toren-WZI

Model	Part number	Total
AP250	AH-AP-250-AC-W	9

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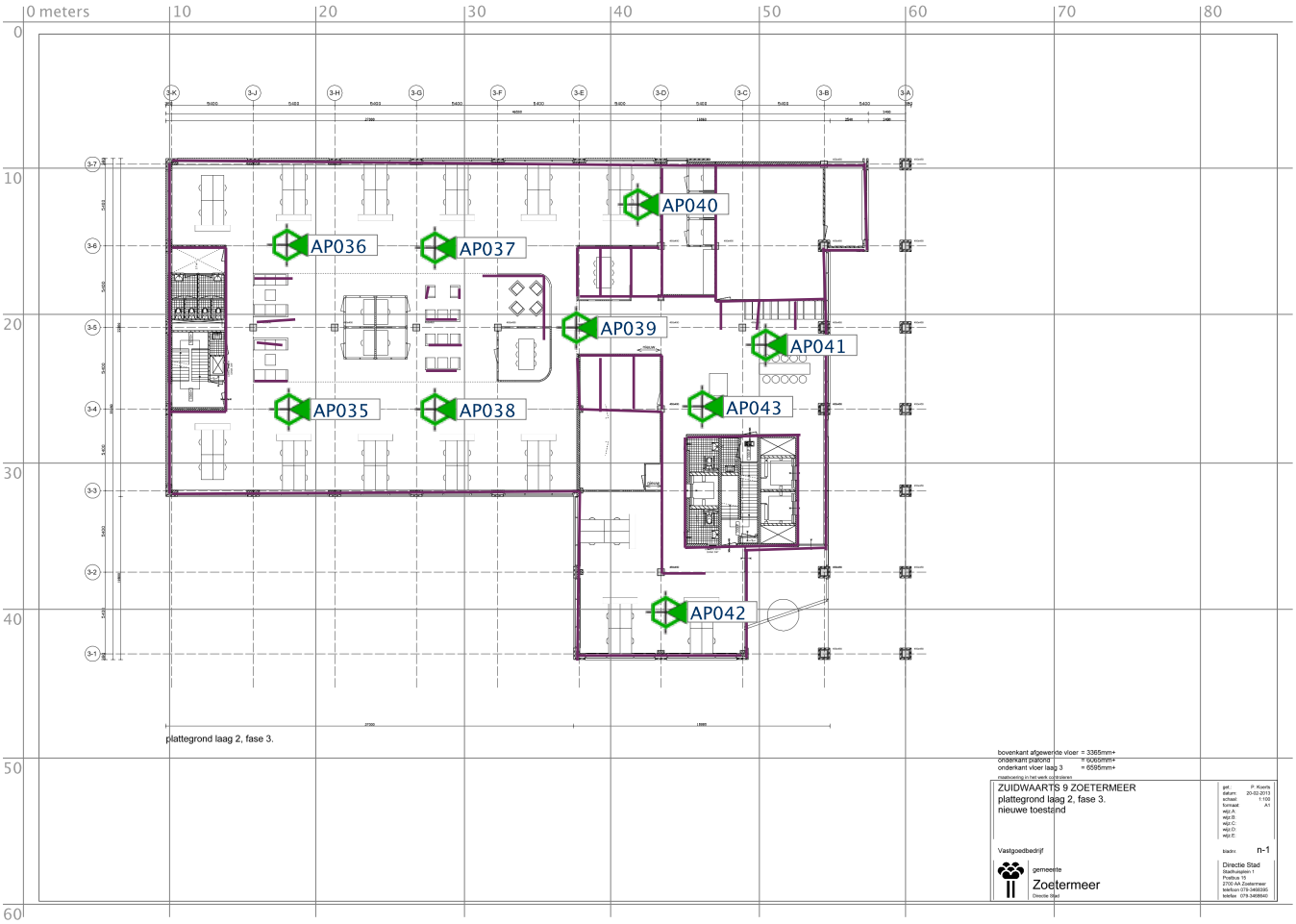
1. 2e Toren-WZI

Summary

Number of Devices assigned to 2e Toren-WZI

- 9 APs

Devices on 2e Toren-WZI



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP043	AP250	802.11ac	-	-	-	-	
AP042	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	
AP038	AP250	802.11ac	Auto(52)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	
AP039	AP250	802.11ac	Auto(100)	Auto(11 dBm)	Auto(124)	Auto(11 dBm)	
AP035	AP250	802.11ac	Auto(116)	Auto(11 dBm)	Auto(52)	Auto(11 dBm)	
AP041	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(52)	Auto(11 dBm)	
AP036	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP040	AP250	802.11ac	Auto(60)	Auto(11 dBm)	Auto(116)	Auto(11 dBm)	
AP037	AP250	802.11ac	Auto(36)	Auto(11 dBm)	Auto(132)	Auto(11 dBm)	

Device Total For 2e Toren-WZI

Model	Part number	Total
AP250	AH-AP-250-AC-W	9

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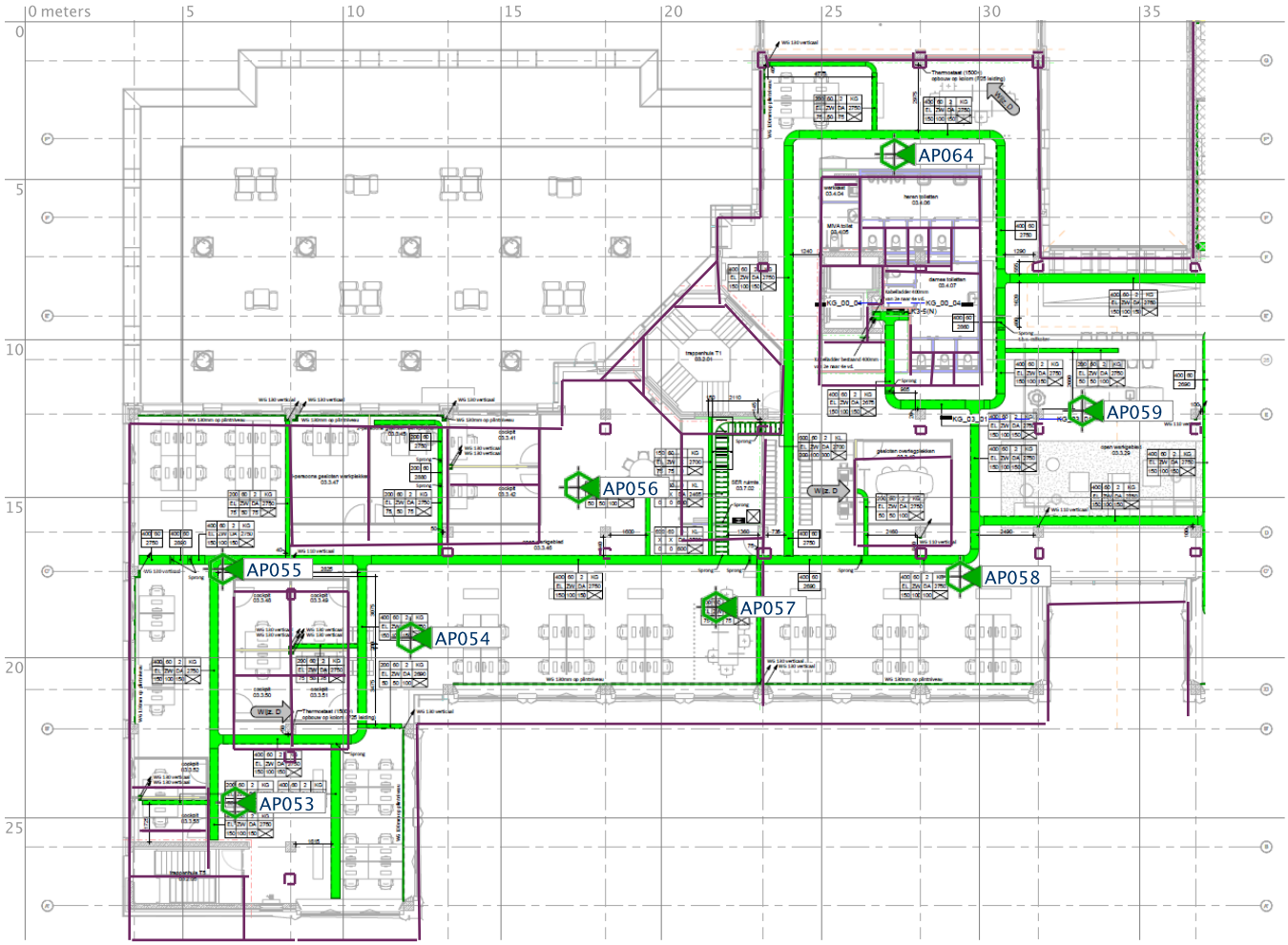
1. 3e Verd. Bouwdeel 5

Summary

Number of Devices assigned to 3e Verd. Bouwdeel 5

- 8 APs

Devices on 3e Verd. Bouwdeel 5



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP059	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	
AP056	AP250	802.11ac	Auto(108)	Auto(11 dBm)	Auto(36)	Auto(11 dBm)	
AP057	AP250	802.11ac	Auto(60)	Auto(11 dBm)	Auto(132)	Auto(11 dBm)	
AP064	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(60)	Auto(11 dBm)	
AP055	AP250	802.11ac	Auto(116)	Auto(11 dBm)	Auto(36)	Auto(11 dBm)	
AP054	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	
AP053	AP250	802.11ac	Auto(116)	Auto(11 dBm)	Auto(36)	Auto(11 dBm)	

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP058	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(52)	Auto(11 dBm)	

Device Total For 3e Verd. Bouwdeel 5

Model	Part number	Total
AP250	AH-AP-250-AC-W	8

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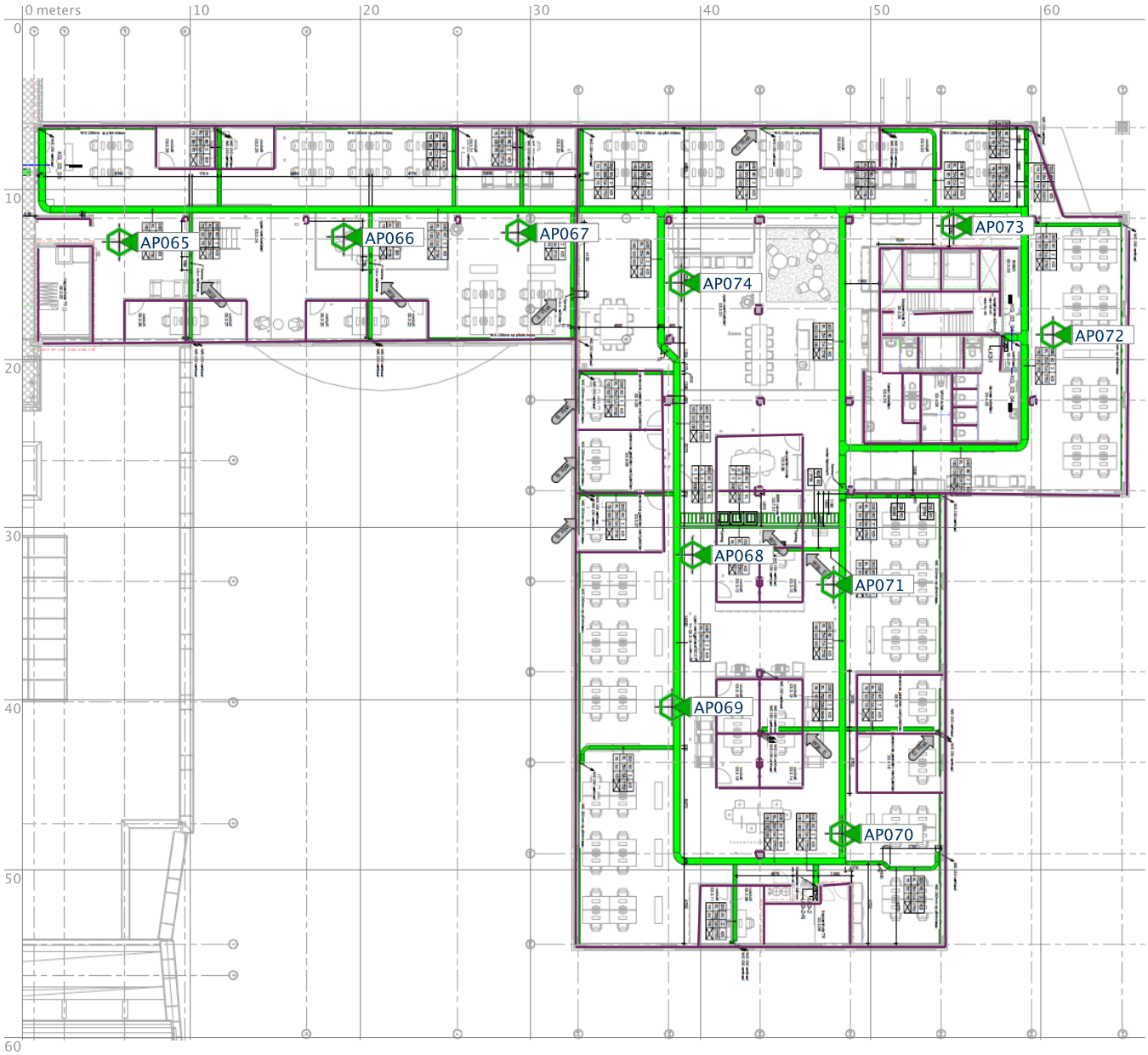
1. 3e Verd. Bouwdeel 1-2-3

Summary

Number of Devices assigned to 3e Verd. Bouwdeel 1-2-3

- 10 APs

Devices on 3e Verd. Bouwdeel 1-2-3



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP066	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	
AP068	AP250	802.11ac	Auto(124)	Auto(6 dBm)	Auto(36)	Auto(8 dBm)	
AP067	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(36)	Auto(11 dBm)	
AP074	AP250	802.11ac	Auto(108)	Auto(11 dBm)	Auto(44)	Auto(11 dBm)	
AP065	AP250	802.11ac	Auto(60)	Auto(11 dBm)	Auto(116)	Auto(11 dBm)	
AP070	AP250	802.11ac	Auto(132)	Auto(11 dBm)	Auto(36)	Auto(5 dBm)	
AP069	AP250	802.11ac	Auto(124)	Auto(9 dBm)	Auto(36)	Auto(8 dBm)	
AP072	AP250	802.11ac	Auto(6)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	
AP073	AP250	802.11ac	Auto(116)	Auto(11 dBm)	Auto(36)	Auto(11 dBm)	
AP071	AP250	802.11ac	Auto(60)	Auto(11 dBm)	Auto(36)	Auto(5 dBm)	

Device Total For 3e Verd. Bouwdeel 1-2-3

Model	Part number	Total
AP250	AH-AP-250-AC-W	10

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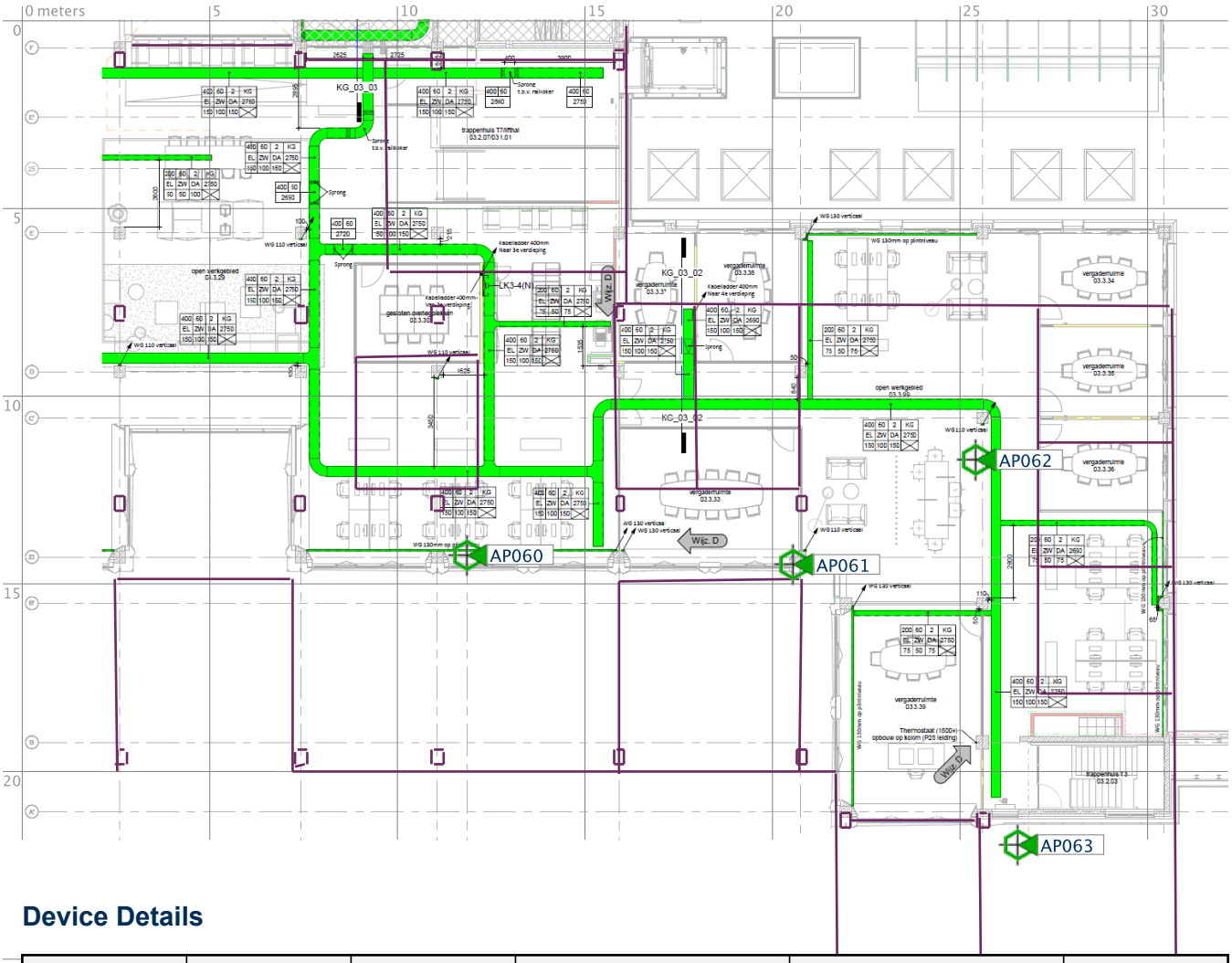
1. 3e Verd. Bouwdeel 4

Summary

Number of Devices assigned to 3e Verd. Bouwdeel 4

- 4 APs

Devices on 3e Verd. Bouwdeel 4



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP062	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(44)	Auto(11 dBm)	
AP060	AP250	802.11ac	Auto(116)	Auto(11 dBm)	Auto(36)	Auto(11 dBm)	
AP063	AP250	802.11ac	Auto(52)	Auto(11 dBm)	Auto(132)	Auto(11 dBm)	
AP061	AP250	802.11ac	Auto(100)	Auto(11 dBm)	Auto(60)	Auto(11 dBm)	

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Model	Part number	Total
AP250	AH-AP-250-AC-W	4

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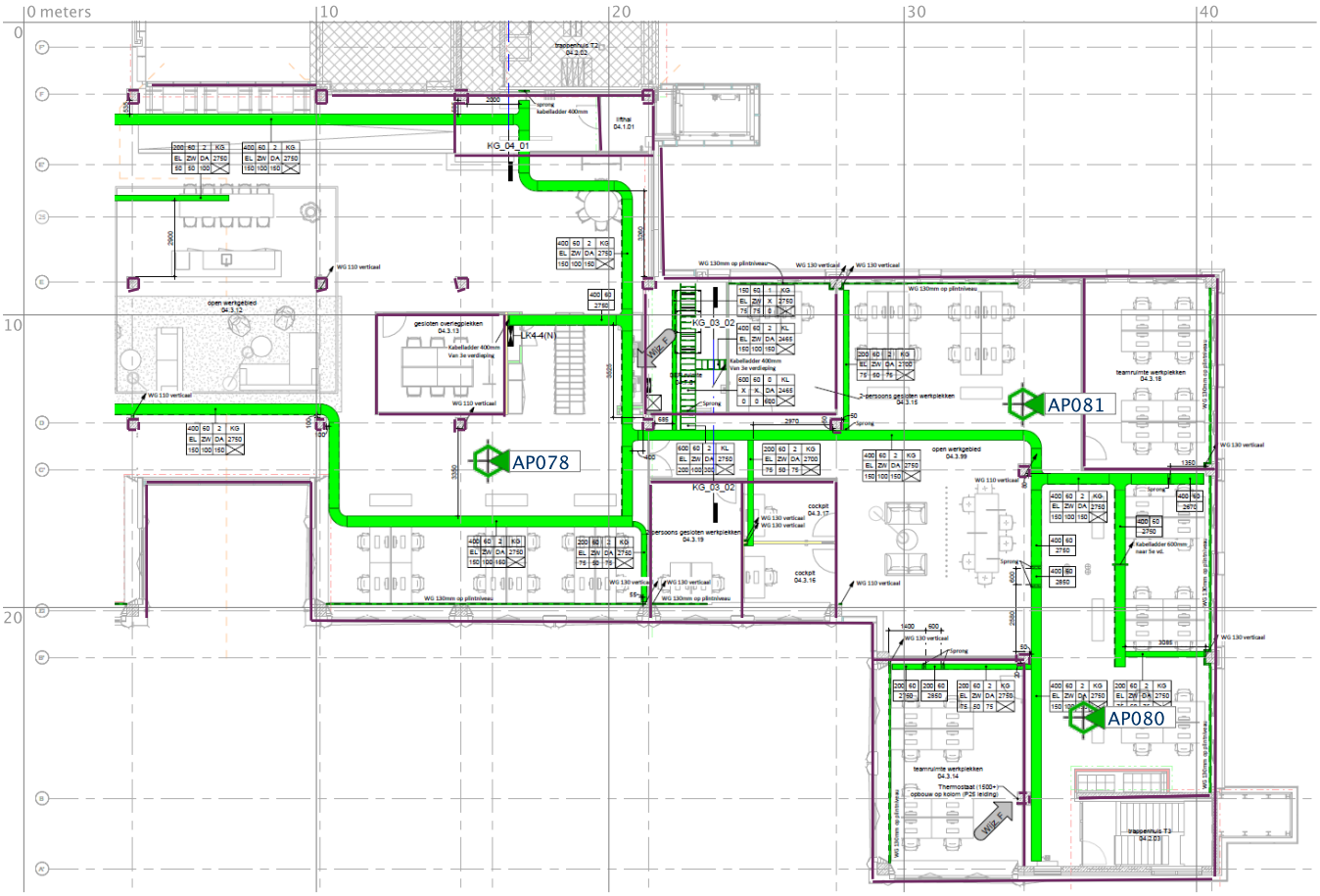
1. 4e Verd. Bouwdeel 4

Summary

Number of Devices assigned to 4e Verd. Bouwdeel 4

- 3 APs

Devices on 4e Verd. Bouwdeel 4



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP081	AP250	802.11ac	Auto(116)	Auto(11 dBm)	Auto(36)	Auto(11 dBm)	
AP078	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(44)	Auto(11 dBm)	
AP080	AP250	802.11ac	Auto(52)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	

Device Total For 4e Verd. Bouwdeel 4

Model	Part number	Total
AP250	AH-AP-250-AC-W	3

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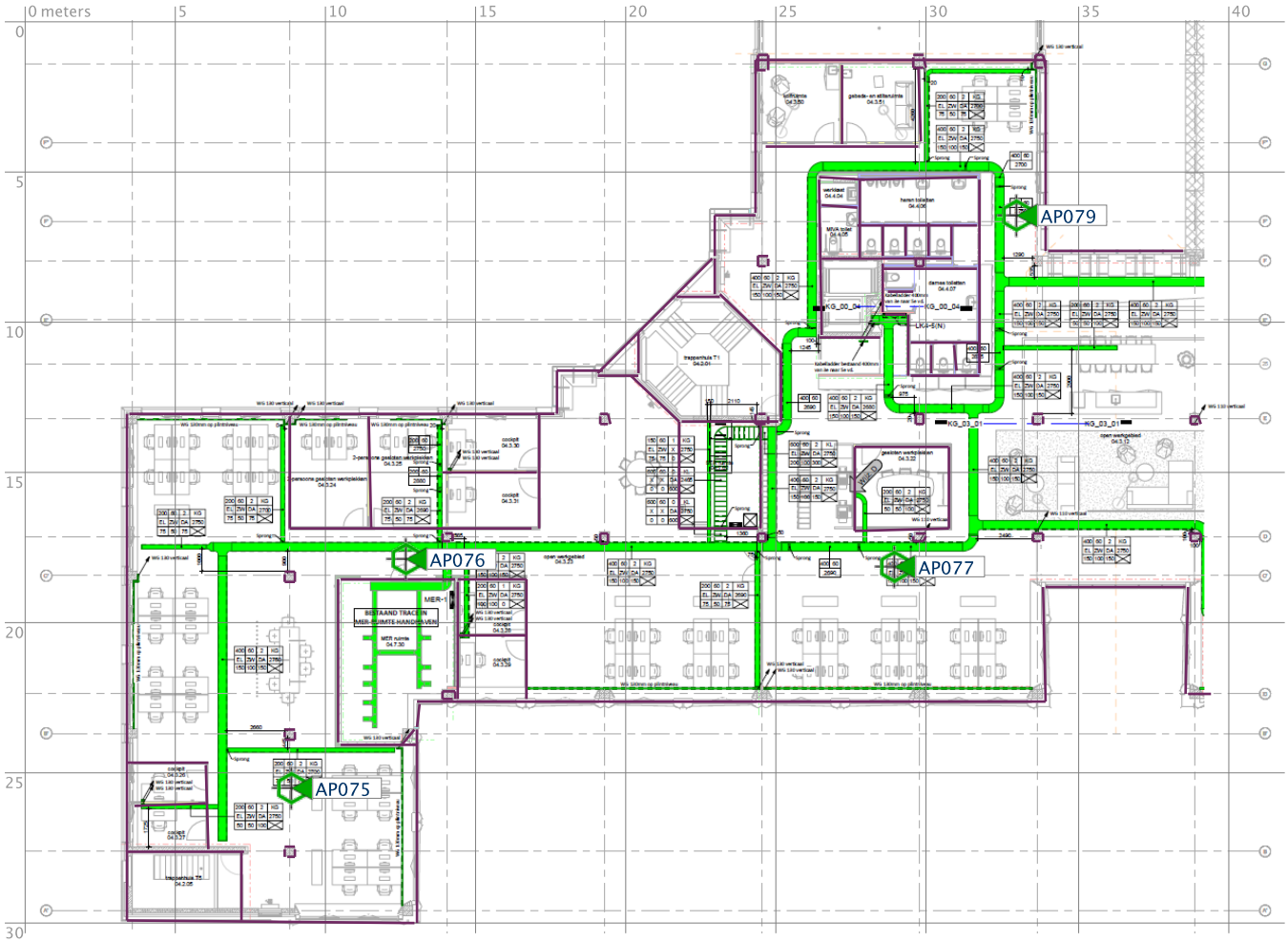
1. 4e Verd. Bouwdeel 5

Summary

Number of Devices assigned to 4e Verd. Bouwdeel 5

- 4 APs

Devices on 4e Verd. Bouwdeel 5



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP079	AP250	802.11ac	Auto(132)	Auto(11 dBm)	Auto(36)	Auto(11 dBm)	
AP077	AP250	802.11ac	Auto(116)	Auto(11 dBm)	Auto(36)	Auto(11 dBm)	
AP075	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(124)	Auto(11 dBm)	
AP076	AP250	802.11ac	Auto(100)	Auto(11 dBm)	Auto(60)	Auto(11 dBm)	

Device Total For 4e Verd. Bouwdeel 5

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AP250	AH-AP-250-AC-W	4

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- Data rates are based on receive sensitivity numbers obtained through measurements for the different AP types, and a fade margin which is user configurable.

Note: These assumptions are typical for available 802.11 client Data Terminals and typical cubicle densities.

1. 4e Verd. Bouwdeel 6

Summary

Number of Devices assigned to 4e Verd. Bouwdeel 6

- 2 APs

Devices on 4e Verd. Bouwdeel 6

Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP098	AP250	802.11ac	Auto(116)	Auto(11 dBm)	Auto(44)	Auto(11 dBm)	
AP099	AP250	802.11ac	Auto(60)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	

Device Total For 4e Verd. Bouwdeel 6

Model	Part number	Total
AP250	AH-AP-250-AC-CE	2

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Note: These assumptions are typical for available 802.11 client Data Terminals and typical cubicle densities.

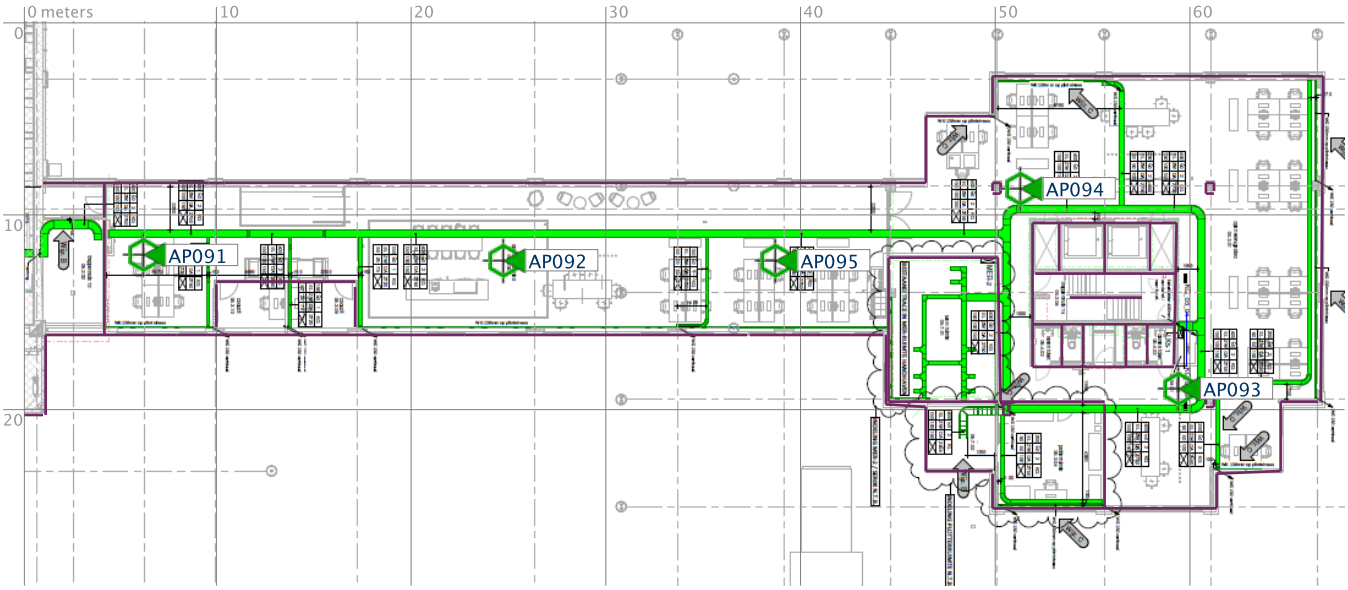
1. 5e Verd. Bouwdeel 1-2-3

Summary

Number of Devices assigned to 5e Verd. Bouwdeel 1-2-3

- 5 APs

Devices on 5e Verd. Bouwdeel 1-2-3



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP095	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(44)	Auto(11 dBm)	
AP092	AP250	802.11ac	Auto(36)	Auto(11 dBm)	Auto(60)	Auto(11 dBm)	
AP093	AP250	802.11ac	Auto(36)	Auto(11 dBm)	Auto(124)	Auto(11 dBm)	
AP094	AP250	802.11ac	Auto(100)	Auto(11 dBm)	Auto(132)	Auto(11 dBm)	
AP091	AP250	802.11ac	Auto(116)	Auto(11 dBm)	Auto(52)	Auto(11 dBm)	

Device Total For 5e Verd. Bouwdeel 1-2-3

Model	Part number	Total
AP250	AH-AP-250-AC-W	5

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Assumptions

The guidelines in this document are based on the following conditions and assumptions:

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Note: These assumptions are typical for available 802.11 client Data Terminals and typical cubicle densities.

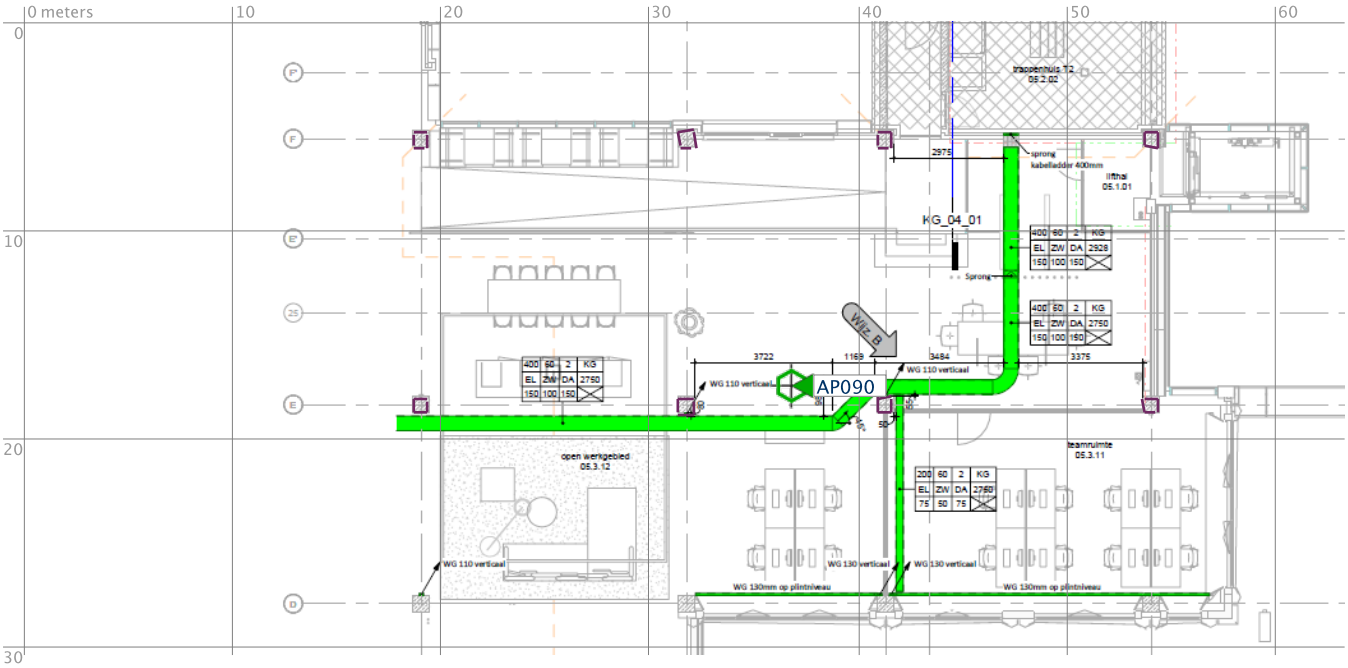
1. 5e Verd. Bouwdeel 4

Summary

Number of Devices assigned to 5e Verd. Bouwdeel 4

- 1 AP

Devices on 5e Verd. Bouwdeel 4



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP090	AP250	802.11ac	Auto(36)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	

Device Total For 5e Verd. Bouwdeel 4

Model	Part number	Total
AP250	AH-AP-250-AC-W	1

Aerohive Planning Report

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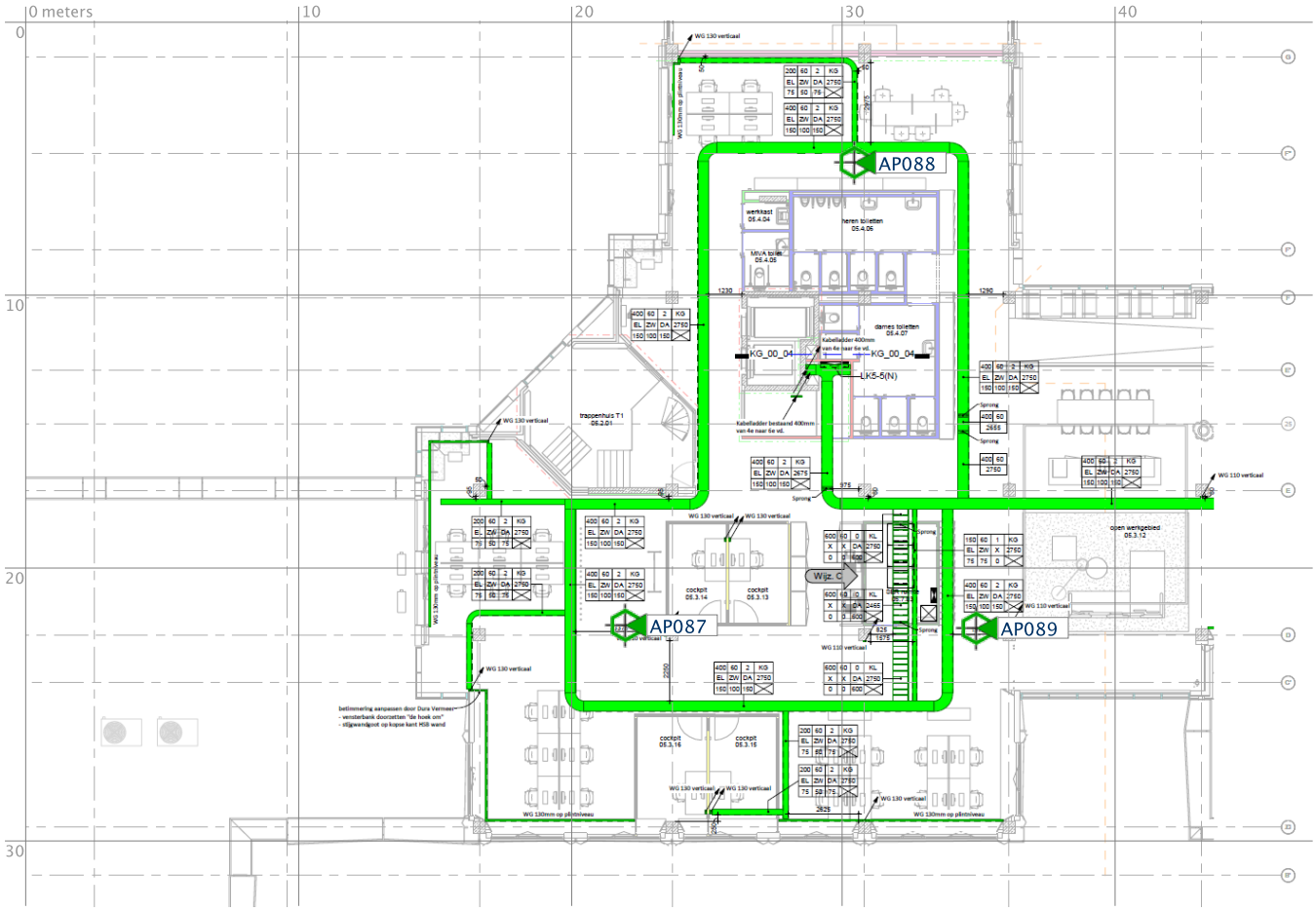
1. 5e Verd. Bouwdeel 5

Summary

Number of Devices assigned to 5e Verd. Bouwdeel 5

- 3 APs

Devices on 5e Verd. Bouwdeel 5



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP088	AP250	802.11ac	Auto(108)	Auto(11 dBm)	Auto(60)	Auto(11 dBm)	
AP089	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	
AP087	AP250	802.11ac	Auto(60)	Auto(11 dBm)	Auto(116)	Auto(11 dBm)	

Device Total For 5e Verd. Bouwdeel 5

Model	Part number	Total
AP250	AH-AP-250-AC-W	3

Aerohive Planning Report

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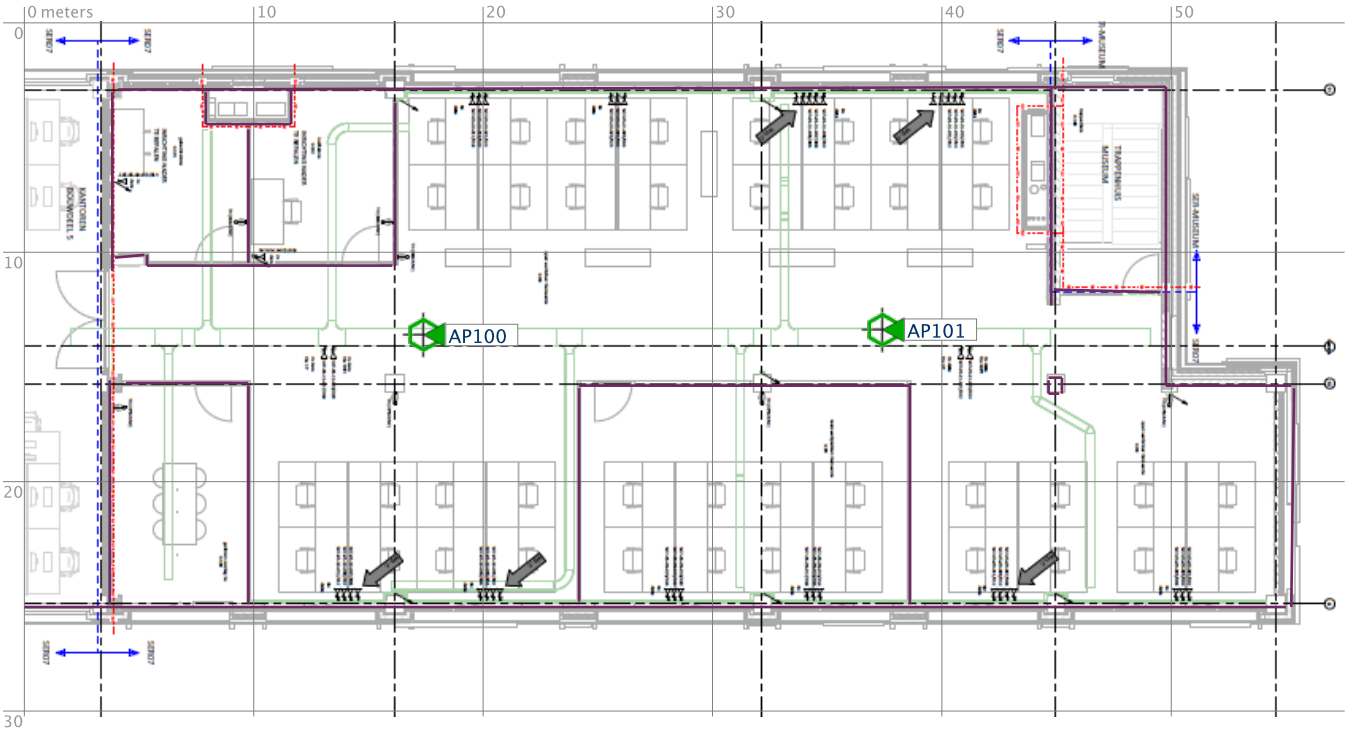
1. 5e Verd. Bouwdeel 6

Summary

Number of Devices assigned to 5e Verd. Bouwdeel 6

- 2 APs

Devices on 5e Verd. Bouwdeel 6



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP101	AP250	802.11ac	Auto(132)	Auto(11 dBm)	Auto(52)	Auto(11 dBm)	
AP100	AP250	802.11ac	Auto(36)	Auto(11 dBm)	Auto(116)	Auto(11 dBm)	

Device Total For 5e Verd. Bouwdeel 6

Model	Part number	Total
AP250	AH-AP-250-AC-CE	2

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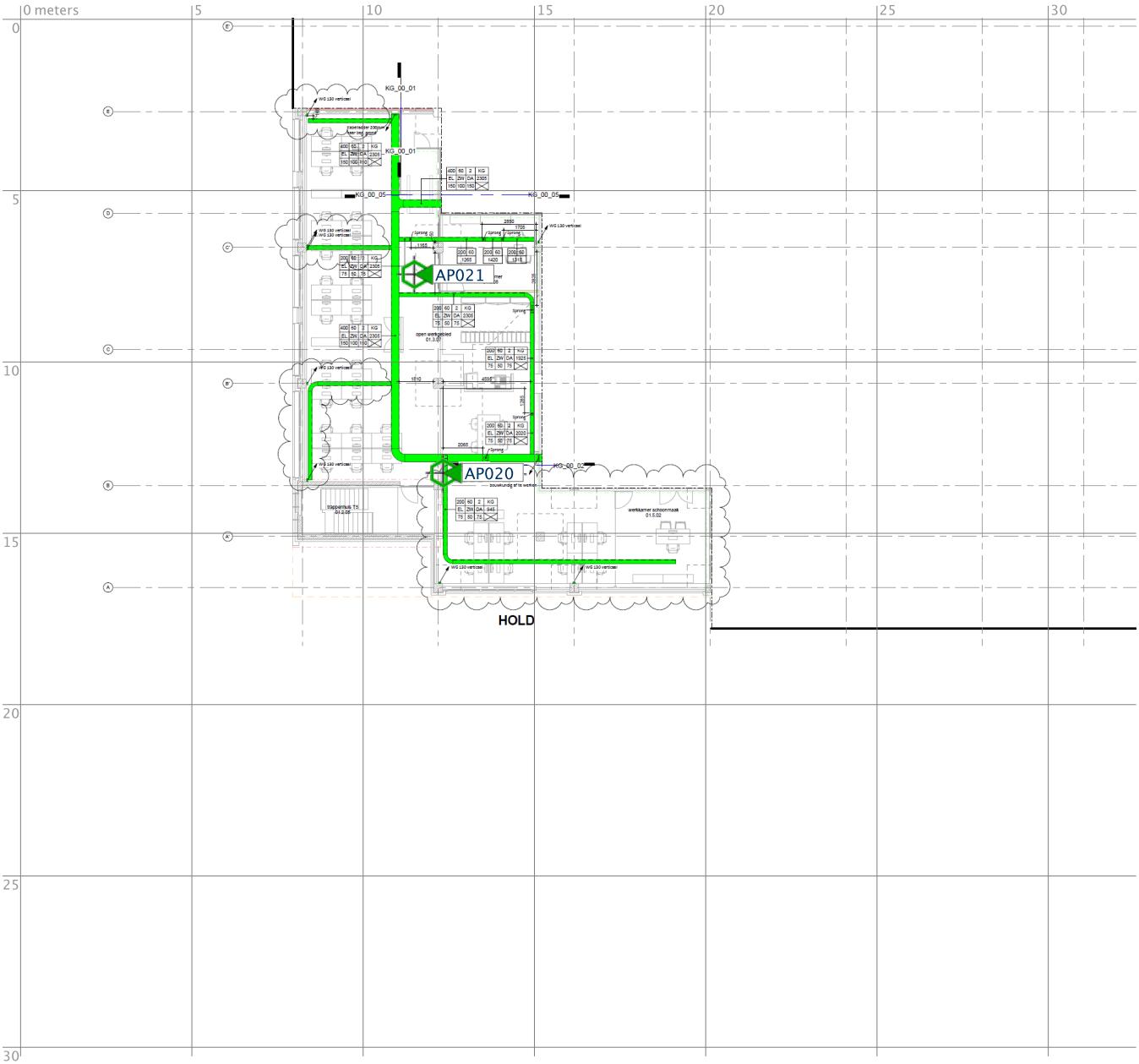
1. 1e Entresol DIV

Summary

Number of Devices assigned to 1e Entresol DIV

- 2 APs

Devices on 1e Entresol DIV



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP021	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(124)	Auto(11 dBm)	
AP020	AP250	802.11ac	Auto(60)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	

Device Total For 1e Entresol DIV

Model	Part number	Total
AP250	AH-AP-250-AC-W	2

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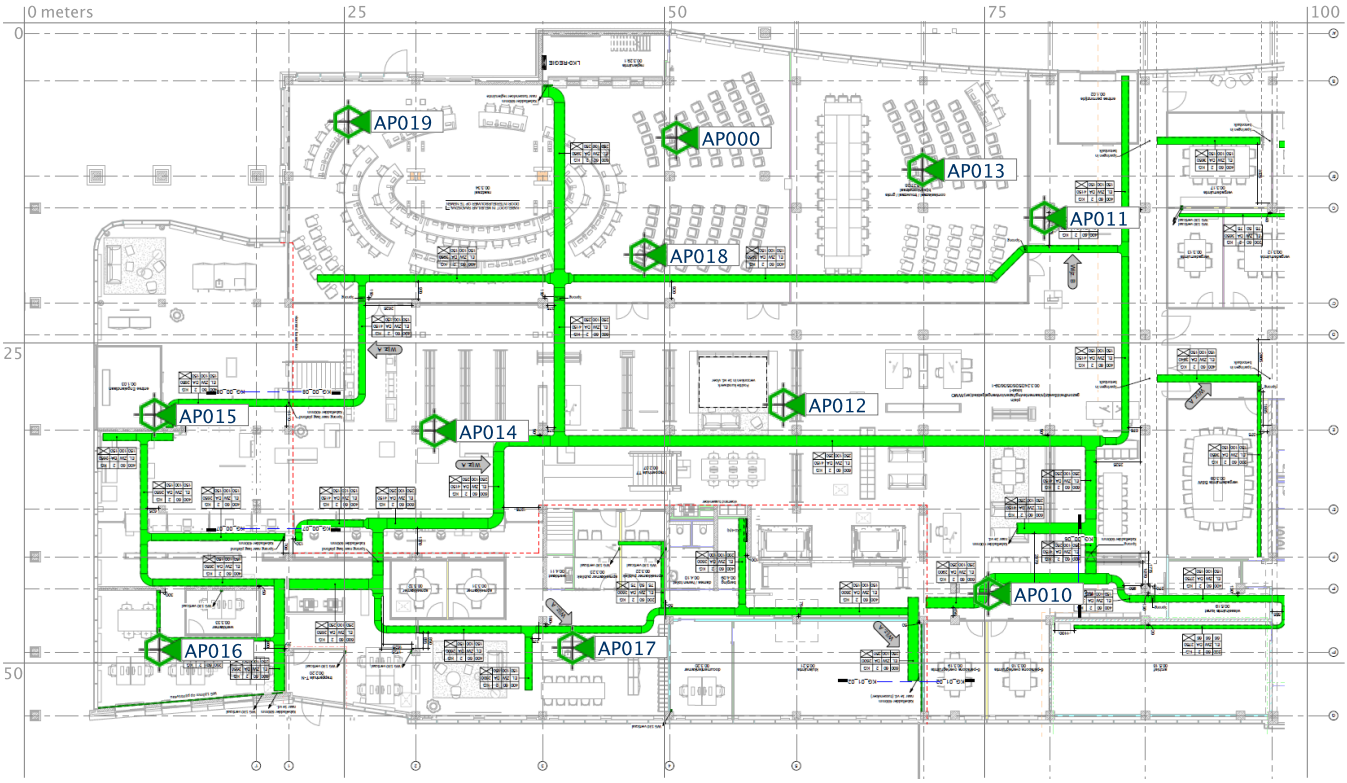
1. 1e hal

Summary

Number of Devices assigned to 1e hal

- 11 APs

Devices on 1e hal



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP016	AP250	802.11ac	Auto(132)	Auto(11 dBm)	Auto(52)	Auto(11 dBm)	
AP000	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	
AP015	AP250	802.11ac	Auto(1)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	
AP017	AP250	802.11ac	Auto(36)	Auto(11 dBm)	Auto(36)	Auto(11 dBm)	
AP014	AP250	802.11ac	Auto(11)	Auto(11 dBm)	Auto(60)	Auto(11 dBm)	
AP013	AP250	802.11ac	Auto(1)	Auto(11 dBm)	Auto(132)	Auto(11 dBm)	
AP011	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(116)	Auto(11 dBm)	
AP018	AP250	802.11ac	Auto(6)	Auto(11 dBm)	Auto(52)	Auto(11 dBm)	
AP012	AP250	802.11ac	Auto(108)	Auto(11 dBm)	Auto(36)	Auto(11 dBm)	
AP010	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(60)	Auto(11 dBm)	
AP019	AP250	802.11ac	Auto(132)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	

Device Total For 1e hal

Model	Part number	Total
AP250	AH-AP-250-AC-W	11

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Note: These assumptions are typical for available 802.11 client Data Terminals and typical cubicle densities.

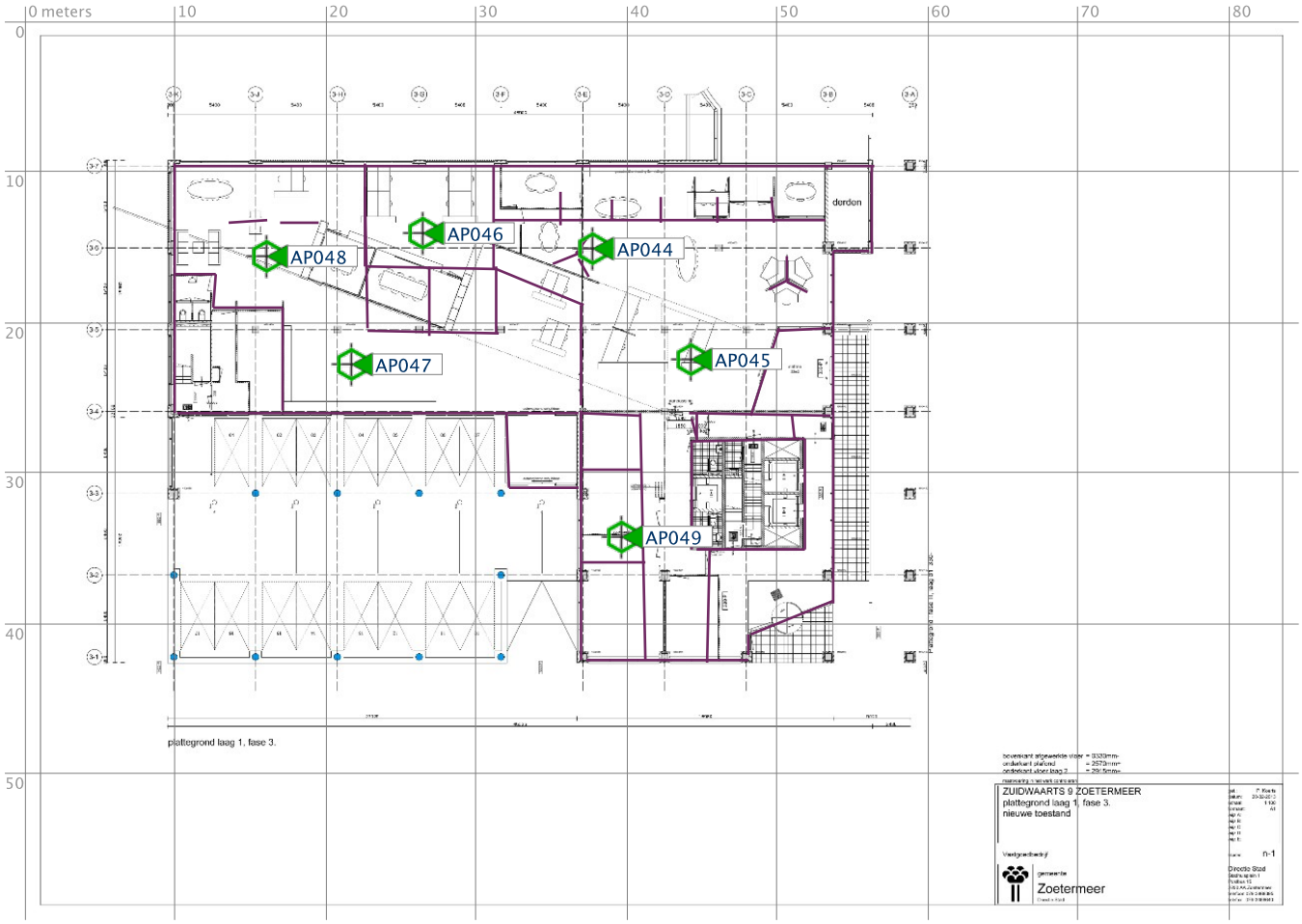
1. Ondernemershuis

Summary

Number of Devices assigned to Ondernemershuis

- 6 APs

Devices on Ondernemershuis



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP045	AP250	802.11ac	Auto(60)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	
AP046	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(44)	Auto(11 dBm)	
AP047	AP250	802.11ac	Auto(52)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	
AP048	AP250	802.11ac	Auto(6)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	
AP049	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(52)	Auto(11 dBm)	
AP044	AP250	802.11ac	Auto(36)	Auto(11 dBm)	Auto(60)	Auto(11 dBm)	

Device Total For Ondernemershuis

Model	Part number	Total
AP250	AH-AP-250-AC-W	5
AP250	AH-AP-250-AC-CE	1

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Note: These assumptions are typical for available 802.11 client Data Terminals and typical cubicle densities.

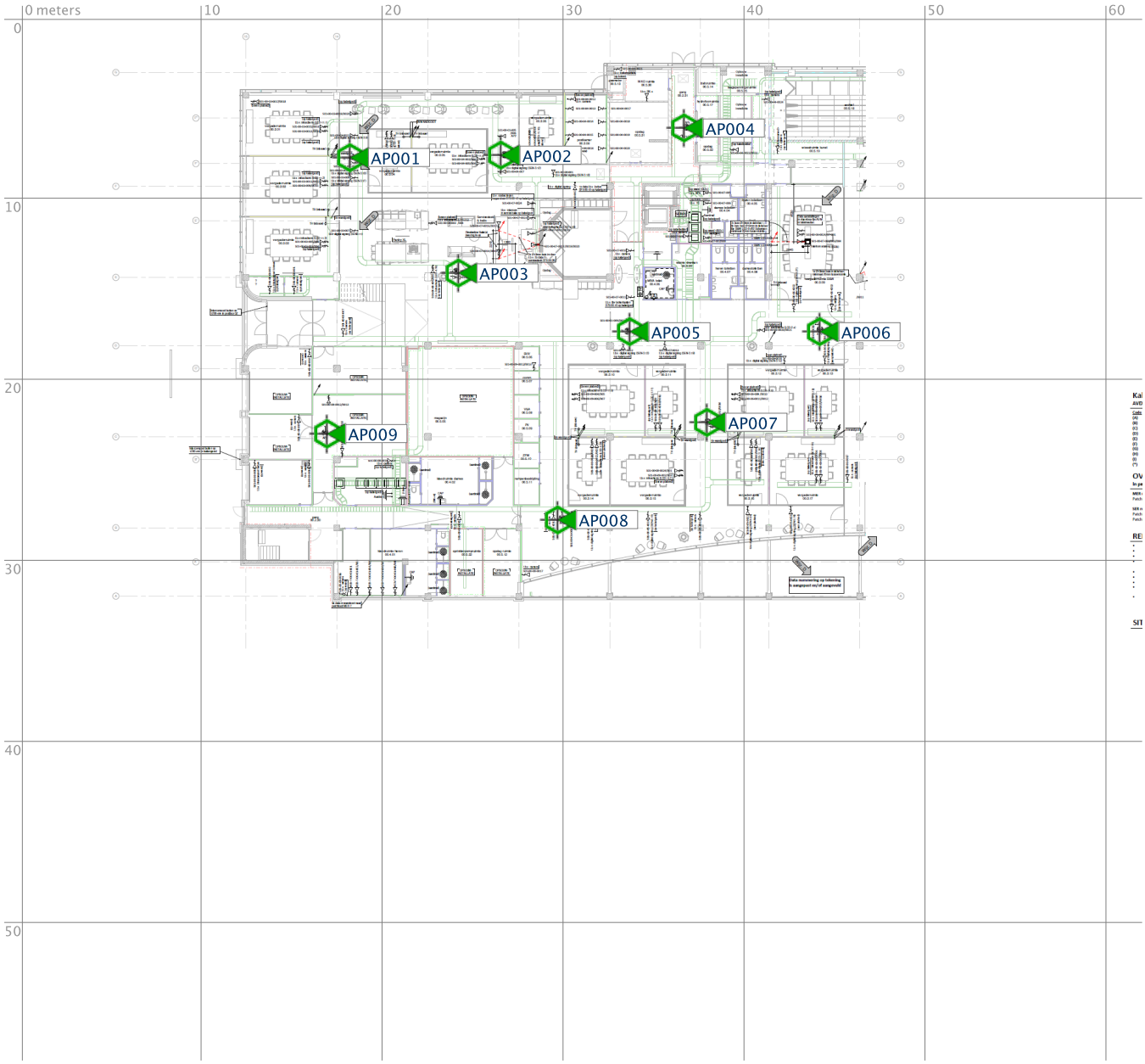
1. 1e Verg.Ruimtes

Summary

Number of Devices assigned to 1e Verg.Ruimtes

- 9 APs

Devices on 1e Verg.Ruimtes



Device Details

Name	Model	Type	wifi 0		wifi 1		Description
			Channel	Power	Channel	Power	
AP002	AP250	802.11ac	Auto(124)	Auto(11 dBm)	Auto(36)	Auto(11 dBm)	
AP001	AP250	802.11ac	Auto(44)	Auto(11 dBm)	Auto(100)	Auto(11 dBm)	
AP004	AP250	802.11ac	Auto(100)	Auto(11 dBm)	Auto(132)	Auto(11 dBm)	
AP006	AP250	802.11ac	Auto(11)	Auto(11 dBm)	Auto(124)	Auto(11 dBm)	
AP003	AP250	802.11ac	Auto(11)	Auto(11 dBm)	Auto(60)	Auto(11 dBm)	
AP007	AP250	802.11ac	Auto(36)	Auto(11 dBm)	Auto(116)	Auto(11 dBm)	
AP009	AP250	802.11ac	Auto(52)	Auto(11 dBm)	Auto(116)	Auto(11 dBm)	
AP005	AP250	802.11ac	Auto(52)	Auto(11 dBm)	Auto(108)	Auto(11 dBm)	
AP008	AP250	802.11ac	Auto(52)	Auto(11 dBm)	Auto(132)	Auto(11 dBm)	

Device Total For 1e Verg.Ruimtes

Model	Part number	Total
AP250	AH-AP-250-AC-W	9