

Royal Surrey County Hospital

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Egerton Road
Guildford
GU2 7XX

Project Name: Royal Surrey County Hospital PV
Offer no.: 2404087

Your PV system

Address of Installation

Egerton Road
Guildford
GU2 7XX



Royal Surrey
NHS Foundation Trust

Project Description:

867kW Solar PV System
Mixture of flat roof mounting & pitched on roof
Solis inverters
Full ESG Compliant panels required



Project Overview

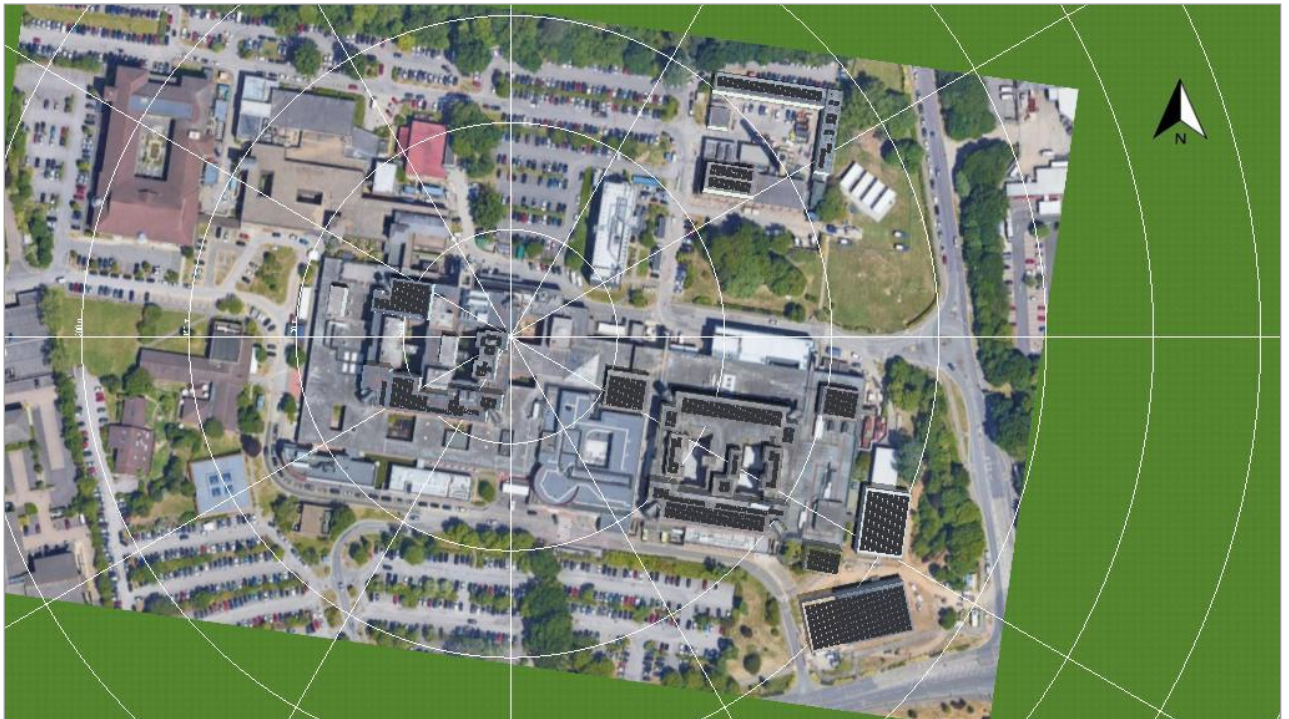


Figure: Overview Image, 3D Design

PV System

3D, Grid-connected PV System with Electrical Appliances

Climate Data	Guildford, GBR (2001 - 2020)
Values source	Meteonorm 8.2(i)
PV Generator Output	867.1 kWp
PV Generator Surface	3,895.5 m ²
Number of PV Modules	1508
Number of Inverters	24

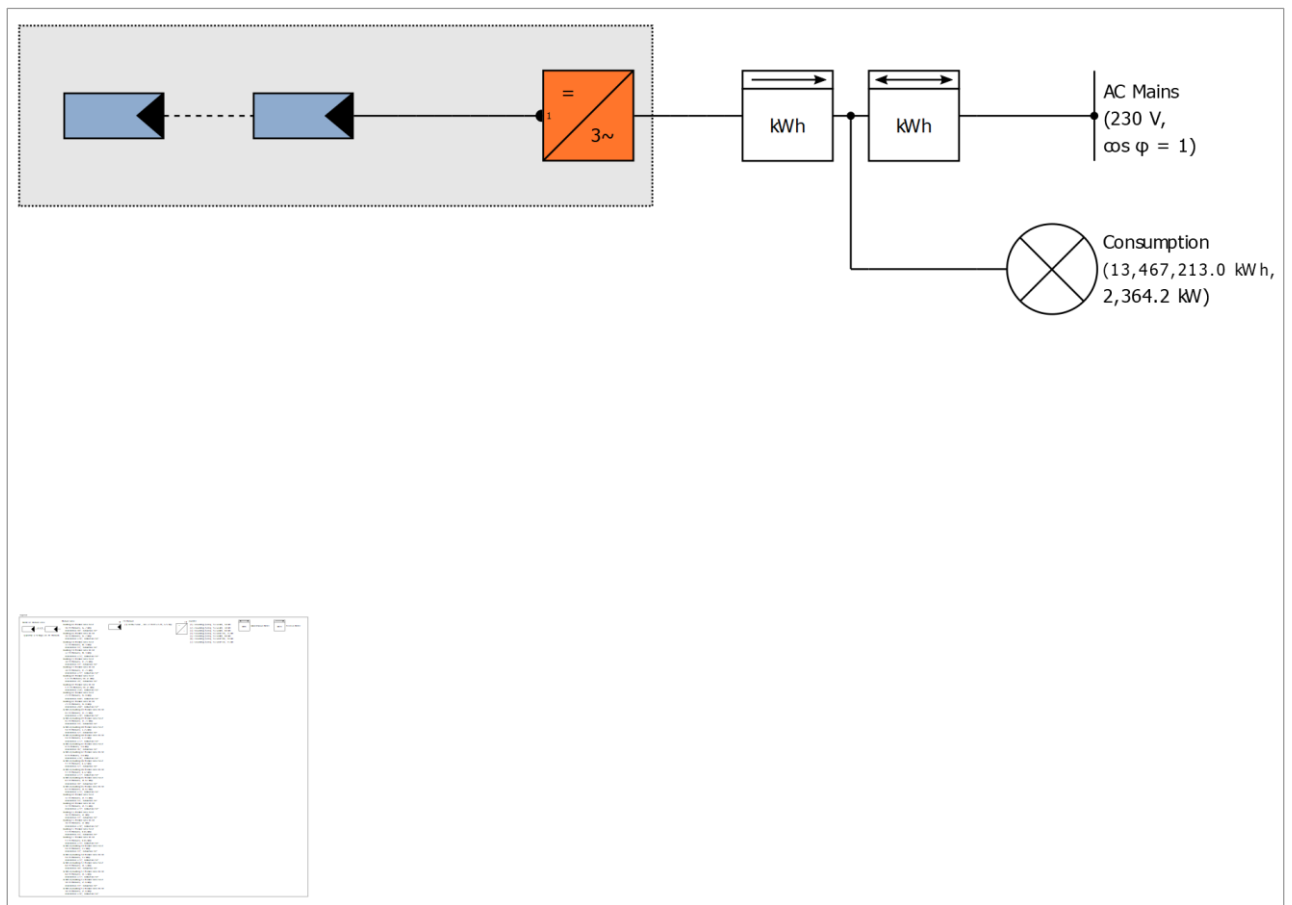


Figure: Schematic diagram

Production Forecast

Production Forecast

PV Generator Output	867.10 kWp
Spec. Annual Yield	966.36 kWh/kWp
Performance Ratio (PR)	94.15 %
Yield Reduction due to Shading	0.8 %
PV Generator Energy (AC grid)	838,261 kWh/Year
Own Consumption	838,261 kWh/Year
Clipping at Feed-in Point	0 kWh/Year
Grid Export	0 kWh/Year
Own Power Consumption	100.0 %
CO ₂ Emissions avoided	393,829 kg / year
Level of Self-sufficiency	6.2 %

Set-up of the System

Overview

System Data

Type of System	3D, Grid-connected PV System with Electrical Appliances
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Climate Data

Location	Guildford, GBR (2001 - 2020)
Values source	Meteonorm 8.2(i)
Data resolution	1 min
Simulation models used:	
- Diffuse Irradiation onto Horizontal Plane	Hofmann
- Irradiance onto tilted surface	Hay & Davies

Consumption

Total Consumption	13467213 kWh
RSCH	13467213 kWh
Load Peak	2364.2 kW

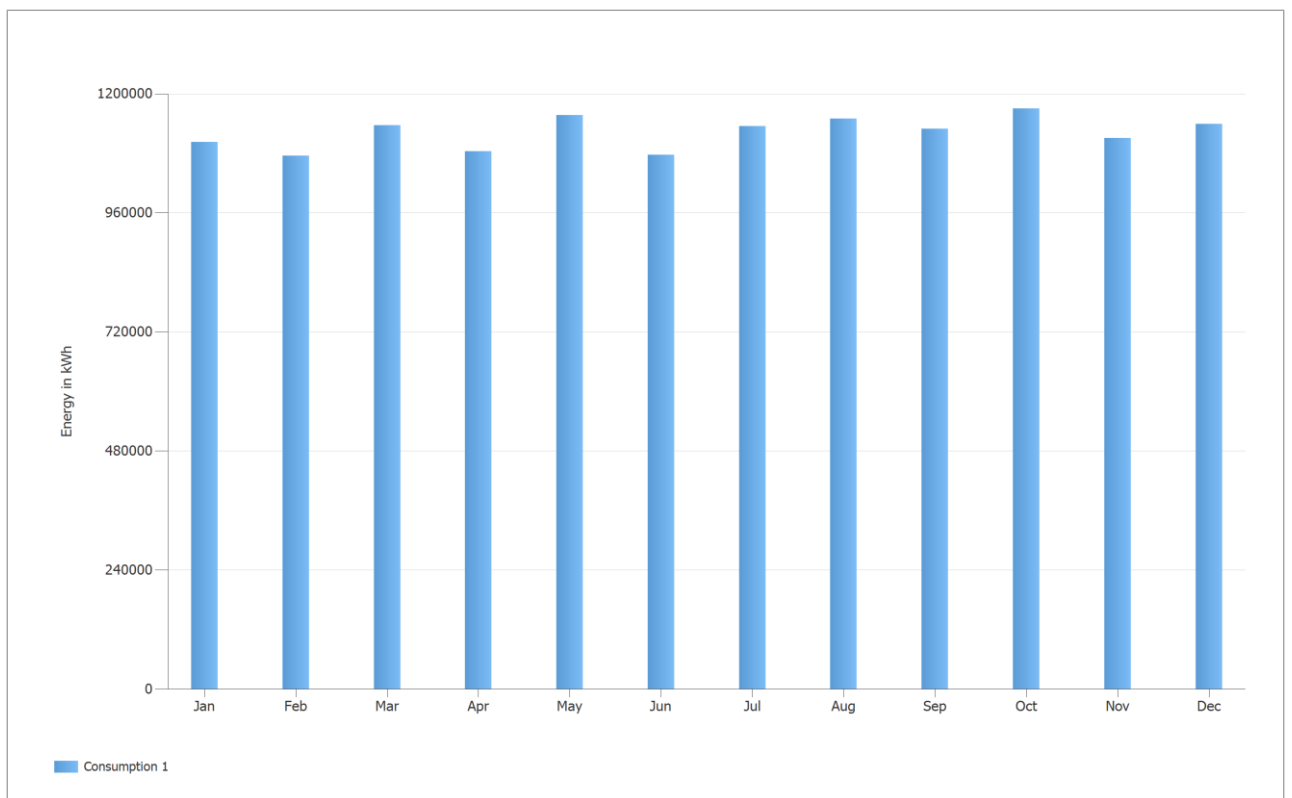


Figure: Consumption

Module Areas

1. Module Area - Building 03-Module Area East

PV Generator, 1. Module Area - Building 03-Module Area East

Name	Building 03-Module Area East
PV Modules	96 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 98 °
Installation Type	Mounted - Roof
PV Generator Surface	248.0 m ²

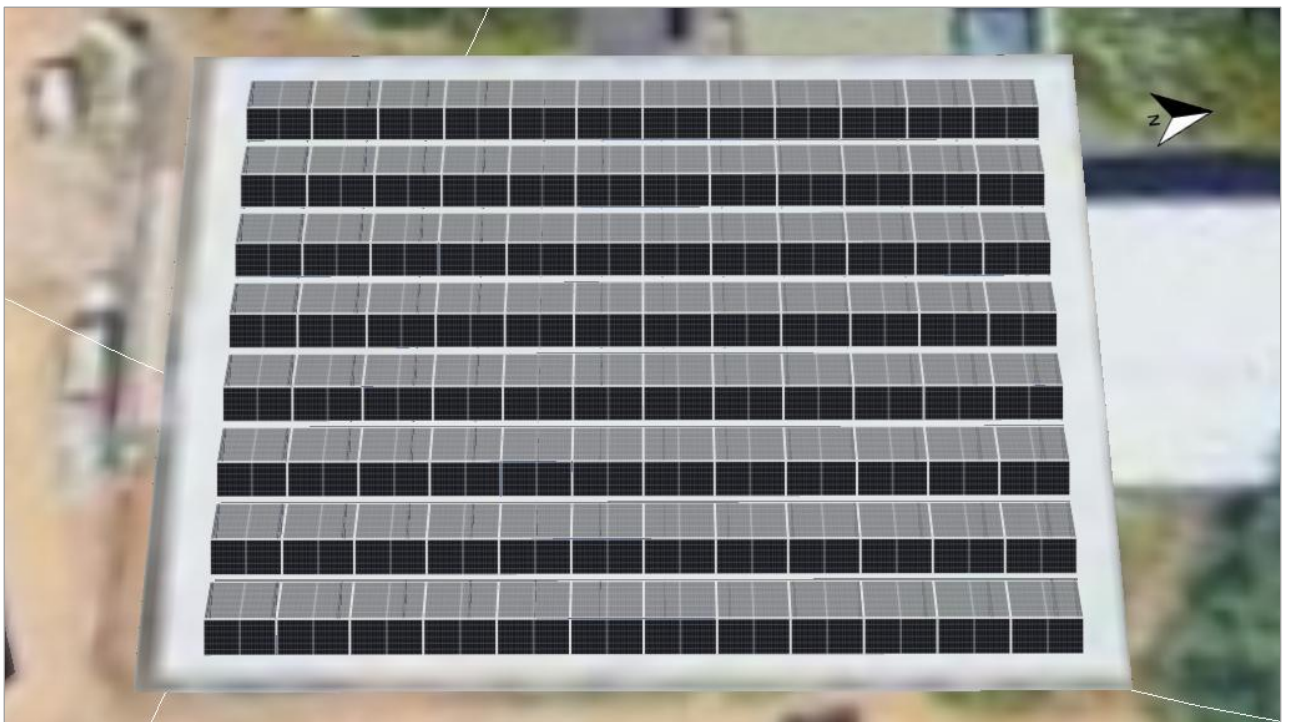


Figure: 1. Module Area - Building 03-Module Area East

2. Module Area - Building 03-Module Area West

PV Generator, 2. Module Area - Building 03-Module Area West

Name	Building 03-Module Area West
PV Modules	96 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 278 °
Installation Type	Mounted - Roof
PV Generator Surface	248.0 m ²

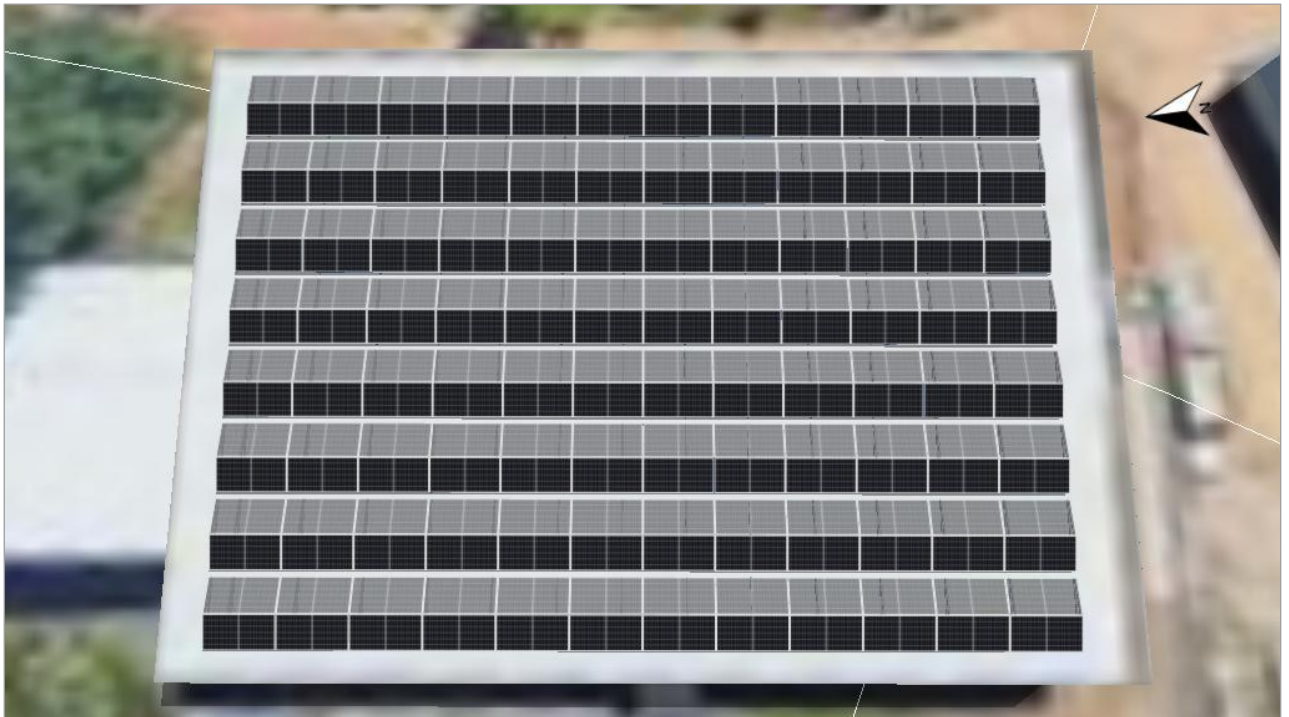


Figure: 2. Module Area - Building 03-Module Area West

3. Module Area - Building 18-Module Area East

PV Generator, 3. Module Area - Building 18-Module Area East

Name	Building 18-Module Area East
PV Modules	32 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 99 °
Installation Type	Mounted - Roof
PV Generator Surface	82.7 m ²



Figure: 3. Module Area - Building 18-Module Area East

4. Module Area - Building 18-Module Area West

PV Generator, 4. Module Area - Building 18-Module Area West

Name	Building 18-Module Area West
PV Modules	32 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 279 °
Installation Type	Mounted - Roof
PV Generator Surface	82.7 m ²

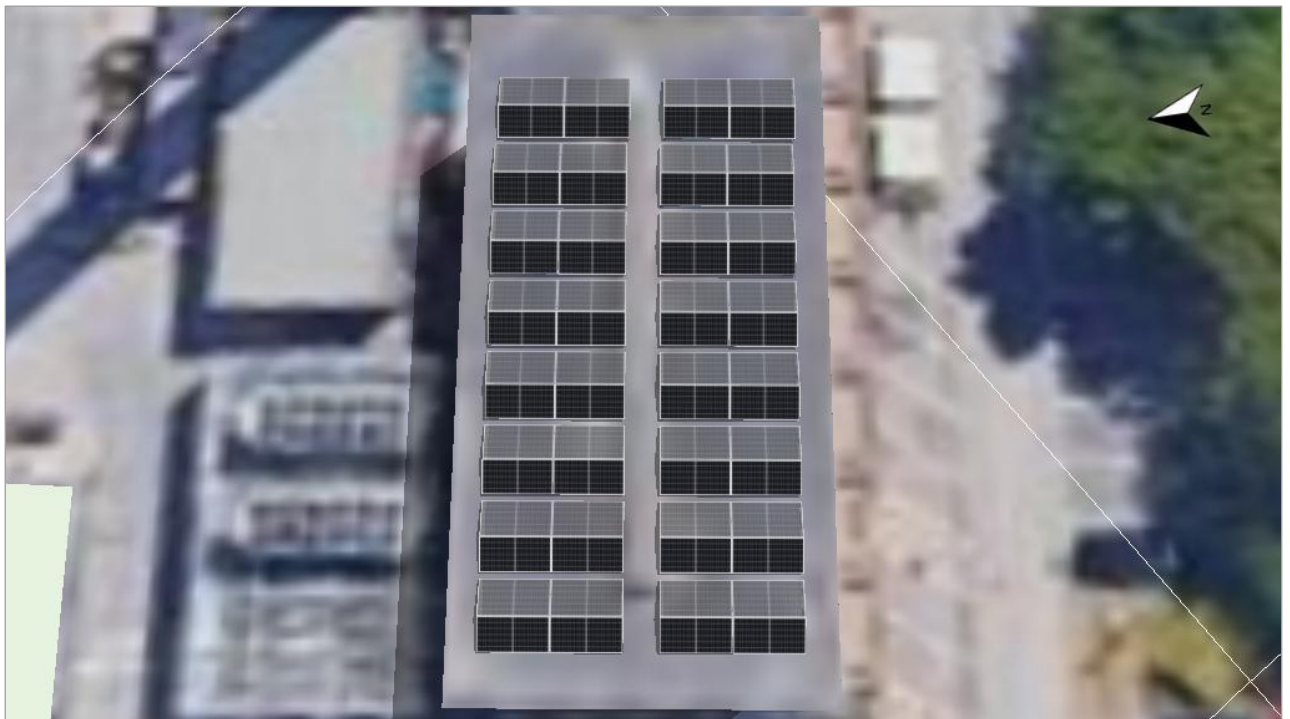


Figure: 4. Module Area - Building 18-Module Area West

5. Module Area - Building 19-Module Area East

PV Generator, 5. Module Area - Building 19-Module Area East

Name	Building 19-Module Area East
PV Modules	30 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 99 °
Installation Type	Mounted - Roof
PV Generator Surface	77.5 m ²

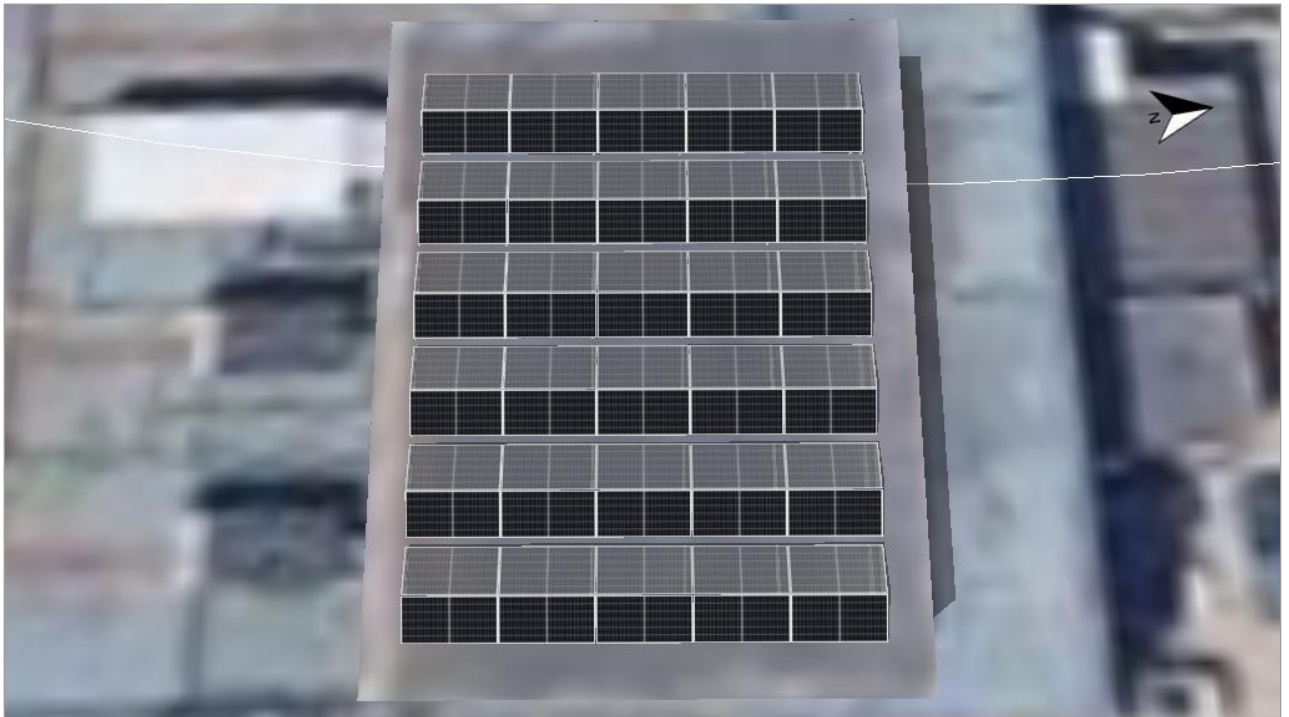


Figure: 5. Module Area - Building 19-Module Area East

6. Module Area - Building 19-Module Area West

PV Generator, 6. Module Area - Building 19-Module Area West

Name	Building 19-Module Area West
PV Modules	30 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 279 °
Installation Type	Mounted - Roof
PV Generator Surface	77.5 m ²

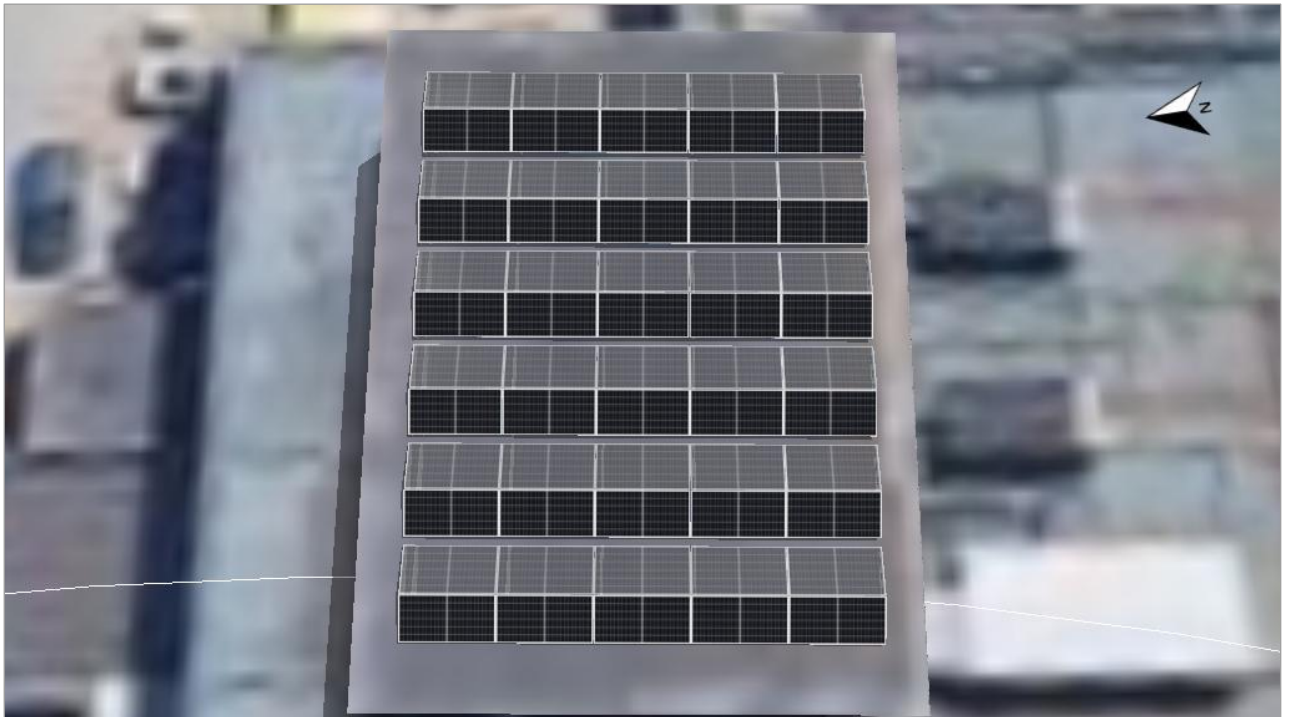


Figure: 6. Module Area - Building 19-Module Area West

7. Module Area - Building 01-Module Area East

PV Generator, 7. Module Area - Building 01-Module Area East

Name	Building 01-Module Area East
PV Modules	171 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 78 °
Installation Type	Mounted - Roof
PV Generator Surface	441.7 m ²



Figure: 7. Module Area - Building 01-Module Area East

8. Module Area - Building 01-Module Area West

PV Generator, 8. Module Area - Building 01-Module Area West

Name	Building 01-Module Area West
PV Modules	171 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 258 °
Installation Type	Mounted - Roof
PV Generator Surface	441.7 m ²



Figure: 8. Module Area - Building 01-Module Area West

9. Module Area - Building 02-Module Area East

PV Generator, 9. Module Area - Building 02-Module Area East

Name	Building 02-Module Area East
PV Modules	24 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 100 °
Installation Type	Mounted - Roof
PV Generator Surface	62.0 m ²



Figure: 9. Module Area - Building 02-Module Area East

10. Module Area - Building 02-Module Area West

PV Generator, 10. Module Area - Building 02-Module Area West

Name	Building 02-Module Area West
PV Modules	24 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 280 °
Installation Type	Mounted - Roof
PV Generator Surface	62.0 m ²

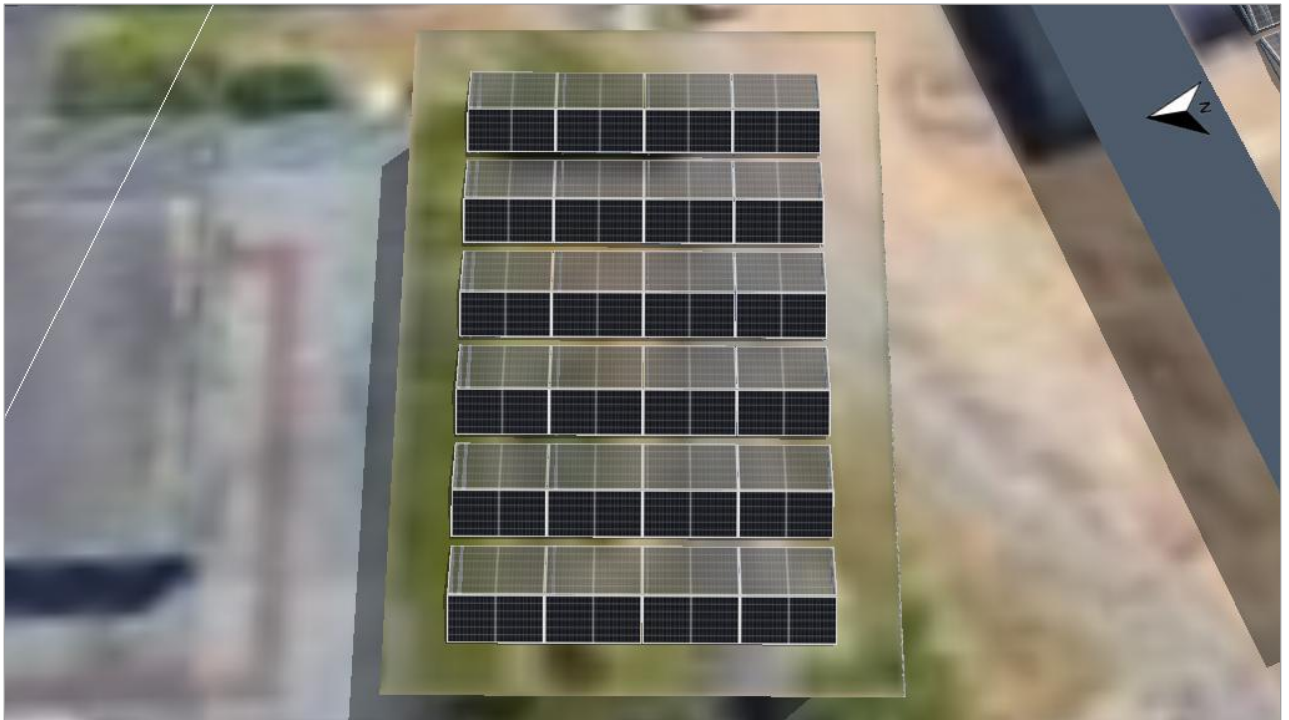


Figure: 10. Module Area - Building 02-Module Area West

11. Module Area - Arbitrary Building 09-Module Area West

PV Generator, 11. Module Area - Arbitrary Building 09-Module Area West

Name	Arbitrary Building 09-Module Area West
PV Modules	83 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 278 °
Installation Type	Mounted - Roof
PV Generator Surface	214.4 m ²

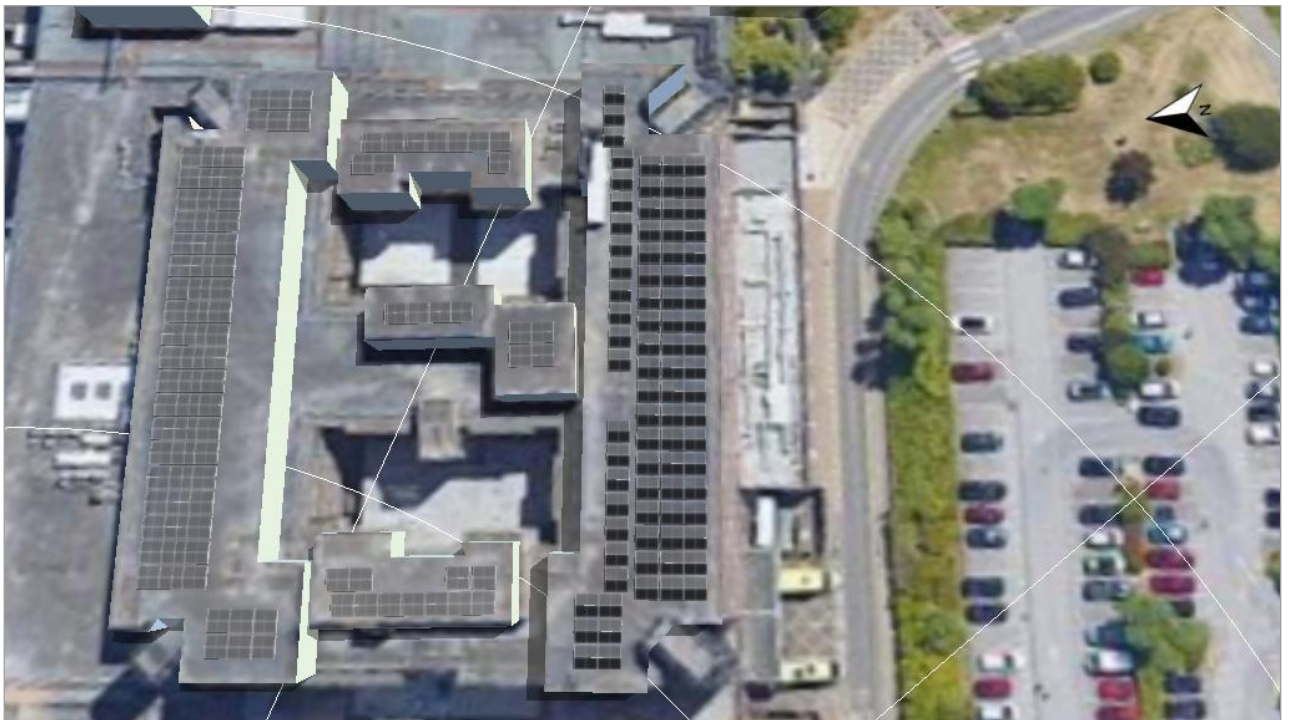


Figure: 11. Module Area - Arbitrary Building 09-Module Area West

12. Module Area - Arbitrary Building 09-Module Area East

PV Generator, 12. Module Area - Arbitrary Building 09-Module Area East

Name	Arbitrary Building 09-Module Area East
PV Modules	83 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 99 °
Installation Type	Mounted - Roof
PV Generator Surface	214.4 m ²



Figure: 12. Module Area - Arbitrary Building 09-Module Area East

13. Module Area - Arbitrary Building 08-Module Area East

PV Generator, 13. Module Area - Arbitrary Building 08-Module Area East

Name	Arbitrary Building 08-Module Area East
PV Modules	10 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 97 °
Installation Type	Mounted - Roof
PV Generator Surface	25.8 m ²

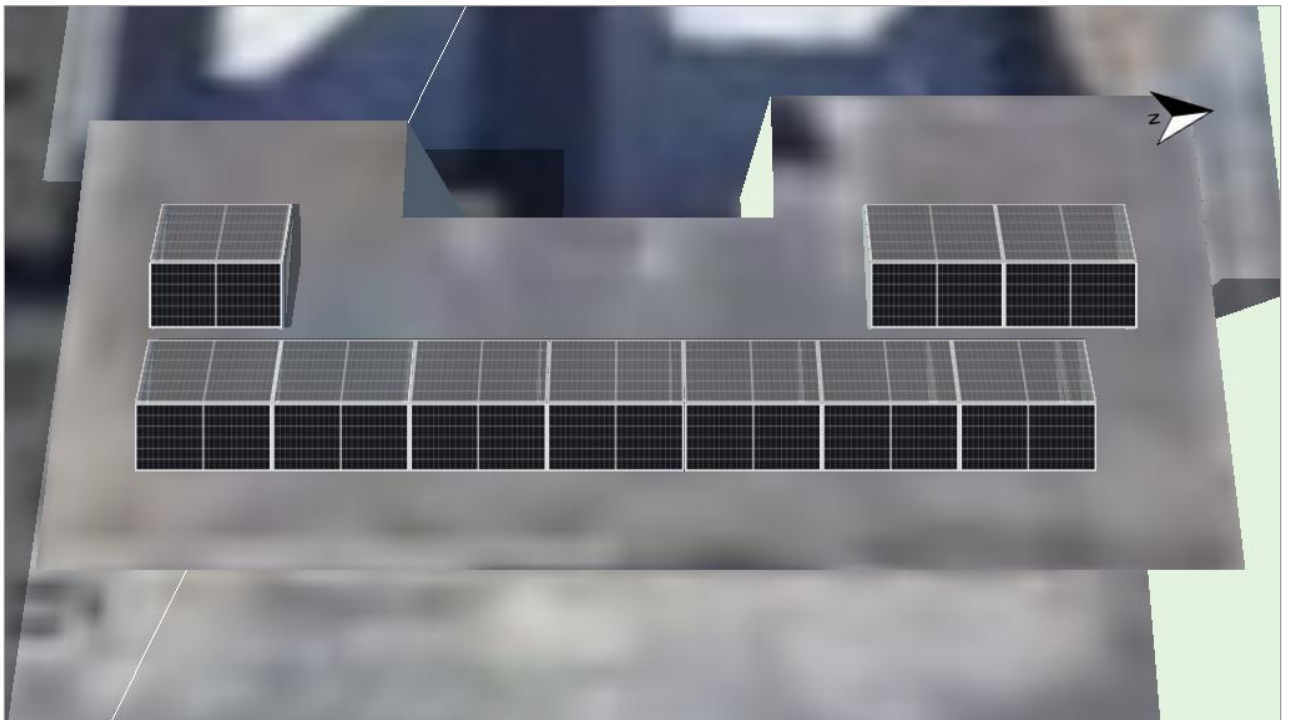


Figure: 13. Module Area - Arbitrary Building 08-Module Area East

14. Module Area - Arbitrary Building 08-Module Area West

PV Generator, 14. Module Area - Arbitrary Building 08-Module Area West

Name	Arbitrary Building 08-Module Area West
PV Modules	10 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 277 °
Installation Type	Mounted - Roof
PV Generator Surface	25.8 m ²

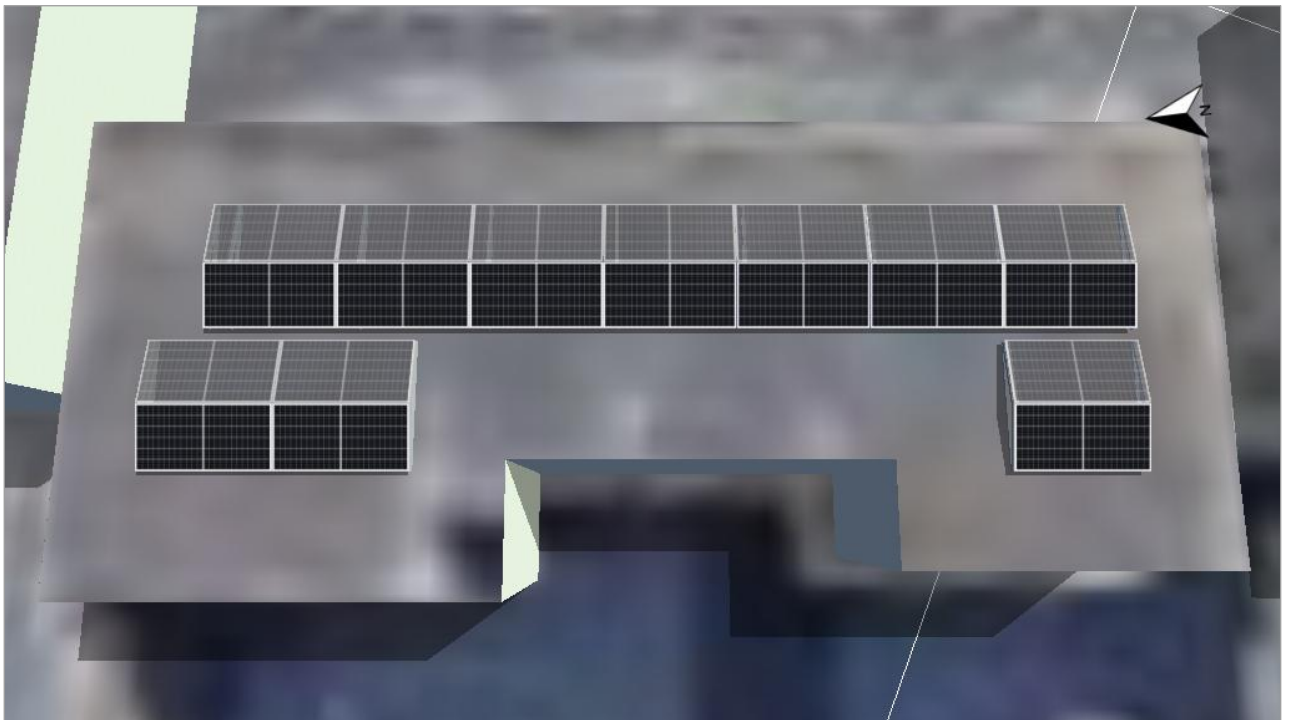


Figure: 14. Module Area - Arbitrary Building 08-Module Area West

15. Module Area - Arbitrary Building 07-Module Area East

PV Generator, 15. Module Area - Arbitrary Building 07-Module Area East

Name	Arbitrary Building 07-Module Area East
PV Modules	8 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 96 °
Installation Type	Mounted - Roof
PV Generator Surface	20.7 m ²

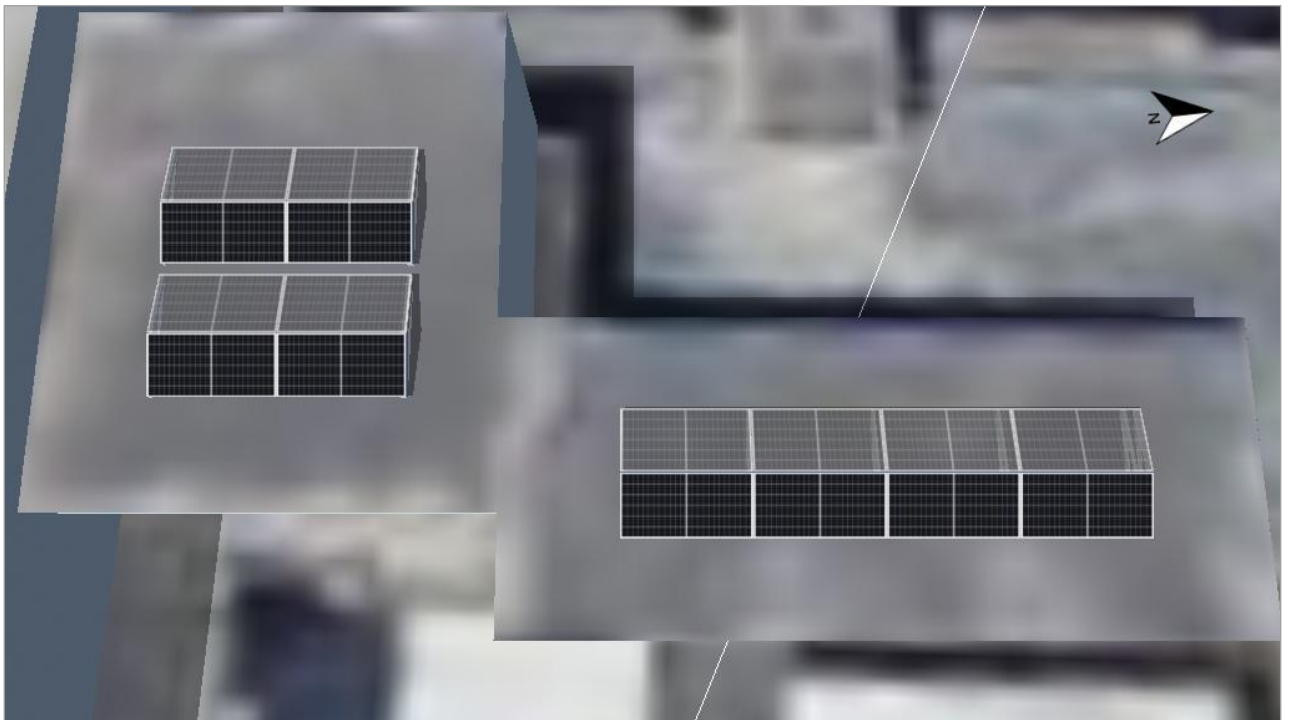


Figure: 15. Module Area - Arbitrary Building 07-Module Area East

16. Module Area - Arbitrary Building 07-Module Area West

PV Generator, 16. Module Area - Arbitrary Building 07-Module Area West

Name	Arbitrary Building 07-Module Area West
PV Modules	8 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 276 °
Installation Type	Mounted - Roof
PV Generator Surface	20.7 m ²

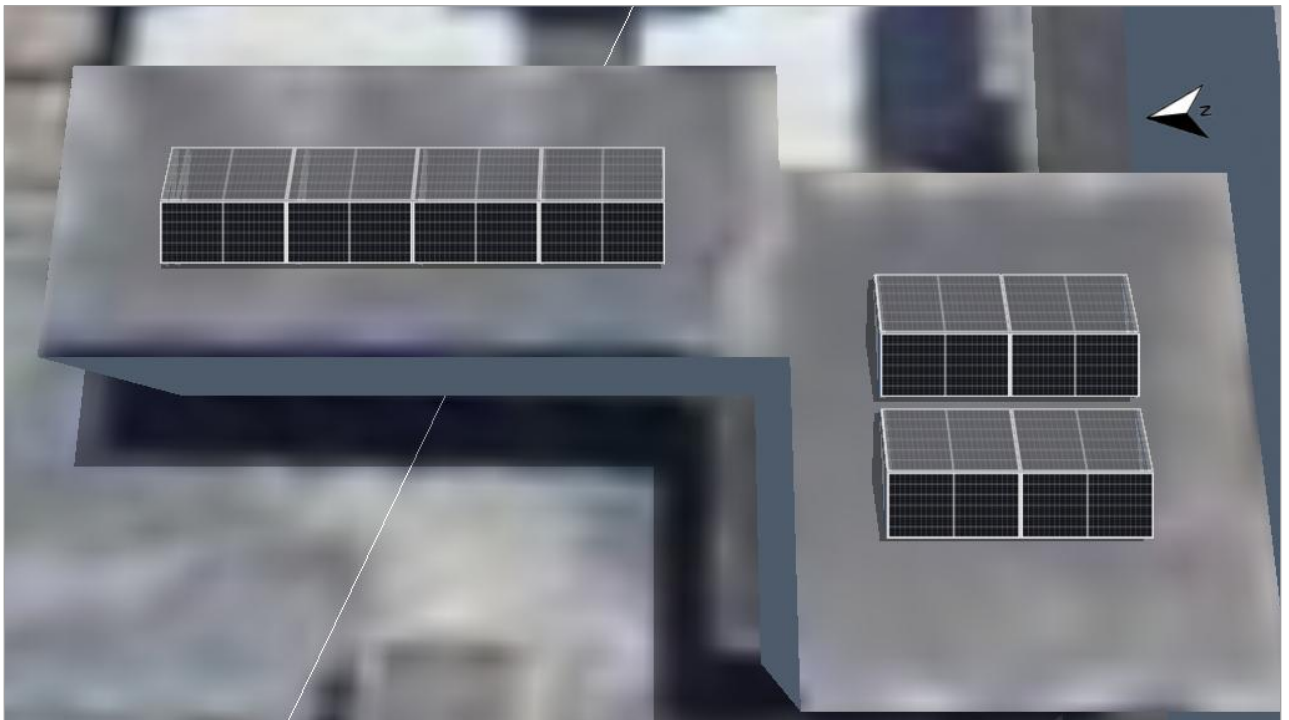


Figure: 16. Module Area - Arbitrary Building 07-Module Area West

17. Module Area - Arbitrary Building 06-Module Area East

PV Generator, 17. Module Area - Arbitrary Building 06-Module Area East

Name	Arbitrary Building 06-Module Area East
PV Modules	11 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 97 °
Installation Type	Mounted - Roof
PV Generator Surface	28.4 m ²

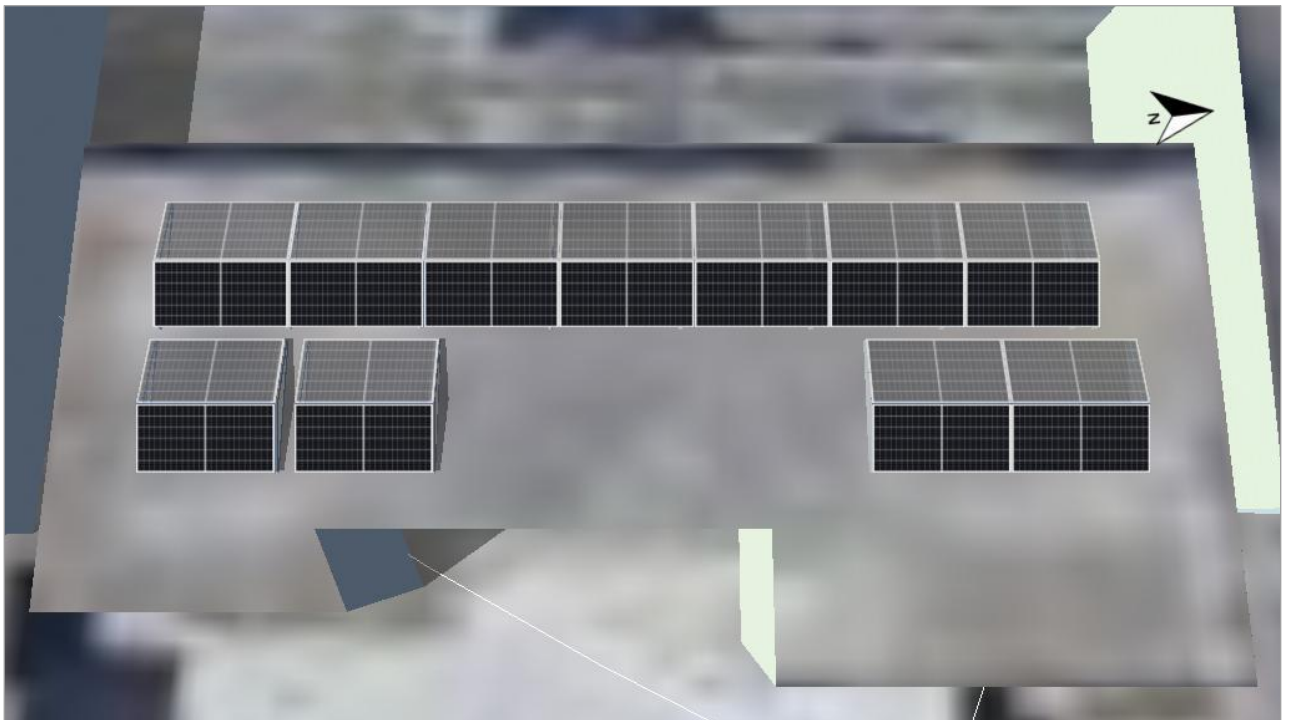


Figure: 17. Module Area - Arbitrary Building 06-Module Area East

18. Module Area - Arbitrary Building 06-Module Area West

PV Generator, 18. Module Area - Arbitrary Building 06-Module Area West

Name	Arbitrary Building 06-Module Area West
PV Modules	11 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 277 °
Installation Type	Mounted - Roof
PV Generator Surface	28.4 m ²

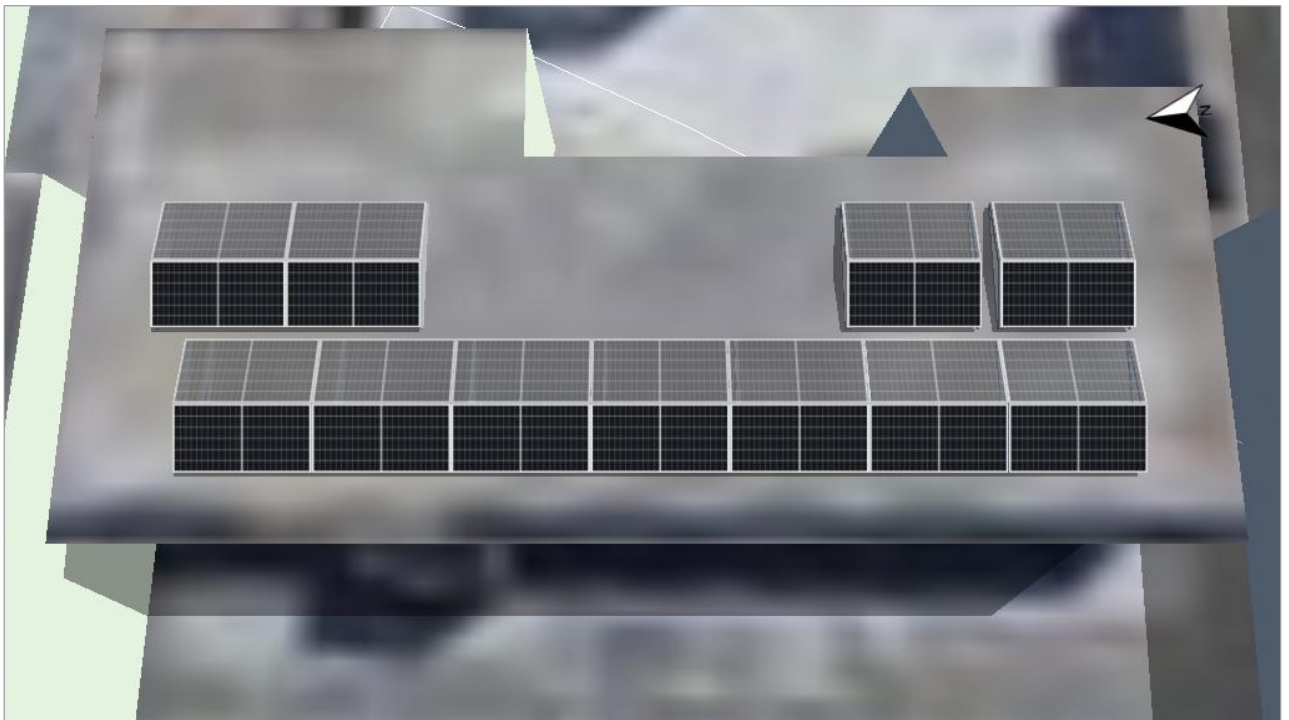


Figure: 18. Module Area - Arbitrary Building 06-Module Area West

19. Module Area - Arbitrary Building 05-Module Area East

PV Generator, 19. Module Area - Arbitrary Building 05-Module Area East

Name	Arbitrary Building 05-Module Area East
PV Modules	69 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 98 °
Installation Type	Mounted - Roof
PV Generator Surface	178.2 m ²



Figure: 19. Module Area - Arbitrary Building 05-Module Area East

20. Module Area - Arbitrary Building 05-Module Area West

PV Generator, 20. Module Area - Arbitrary Building 05-Module Area West

Name	Arbitrary Building 05-Module Area West
PV Modules	69 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 279 °
Installation Type	Mounted - Roof
PV Generator Surface	178.2 m ²



Figure: 20. Module Area - Arbitrary Building 05-Module Area West

21. Module Area - Building 04-Module Area East

PV Generator, 21. Module Area - Building 04-Module Area East

Name	Building 04-Module Area East
PV Modules	42 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 99 °
Installation Type	Mounted - Roof
PV Generator Surface	108.5 m ²

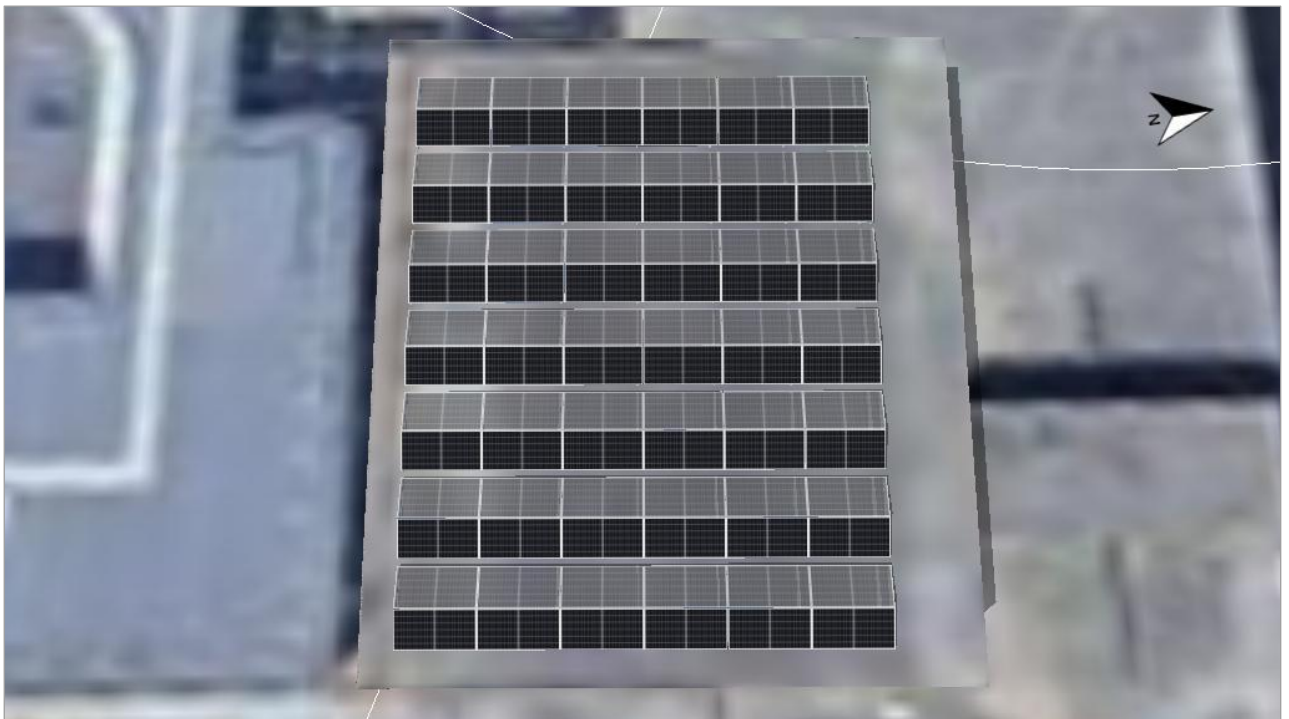


Figure: 21. Module Area - Building 04-Module Area East

22. Module Area - Building 04-Module Area West

PV Generator, 22. Module Area - Building 04-Module Area West

Name	Building 04-Module Area West
PV Modules	42 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 279 °
Installation Type	Mounted - Roof
PV Generator Surface	108.5 m ²

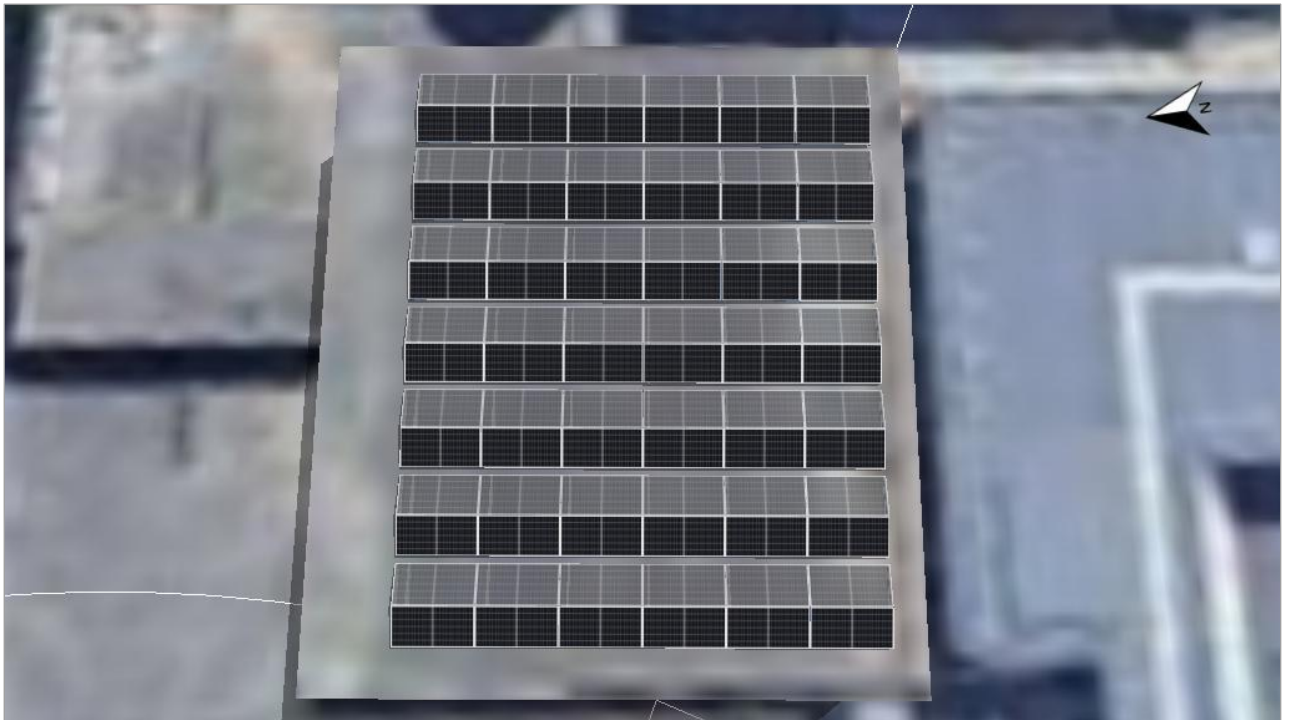


Figure: 22. Module Area - Building 04-Module Area West

23. Module Area - Building 15-Module Area East

PV Generator, 23. Module Area - Building 15-Module Area East

Name	Building 15-Module Area East
PV Modules	40 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 99 °
Installation Type	Mounted - Roof
PV Generator Surface	103.3 m ²

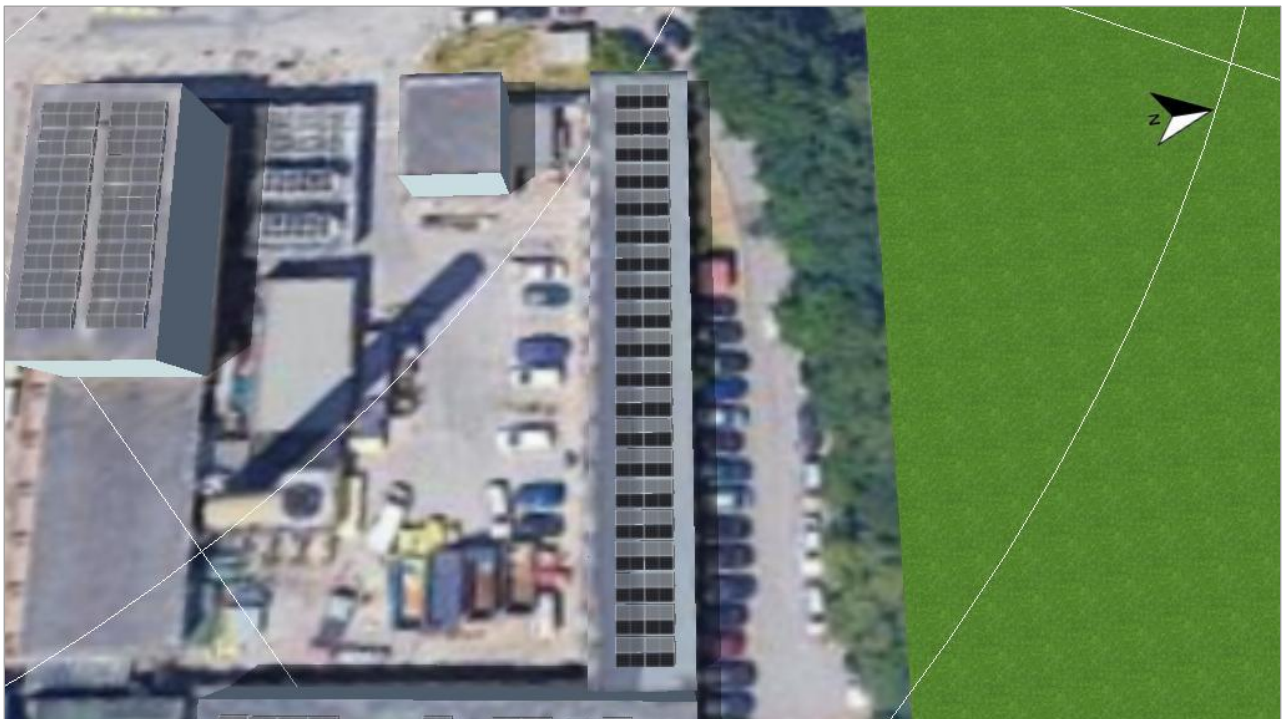


Figure: 23. Module Area - Building 15-Module Area East

24. Module Area - Building 15-Module Area West

PV Generator, 24. Module Area - Building 15-Module Area West

Name	Building 15-Module Area West
PV Modules	40 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 278 °
Installation Type	Mounted - Roof
PV Generator Surface	103.3 m ²



Figure: 24. Module Area - Building 15-Module Area West

25. Module Area - Building 17-Module Area East

PV Generator, 25. Module Area - Building 17-Module Area East

Name	Building 17-Module Area East
PV Modules	14 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 99 °
Installation Type	Mounted - Roof
PV Generator Surface	36.2 m ²

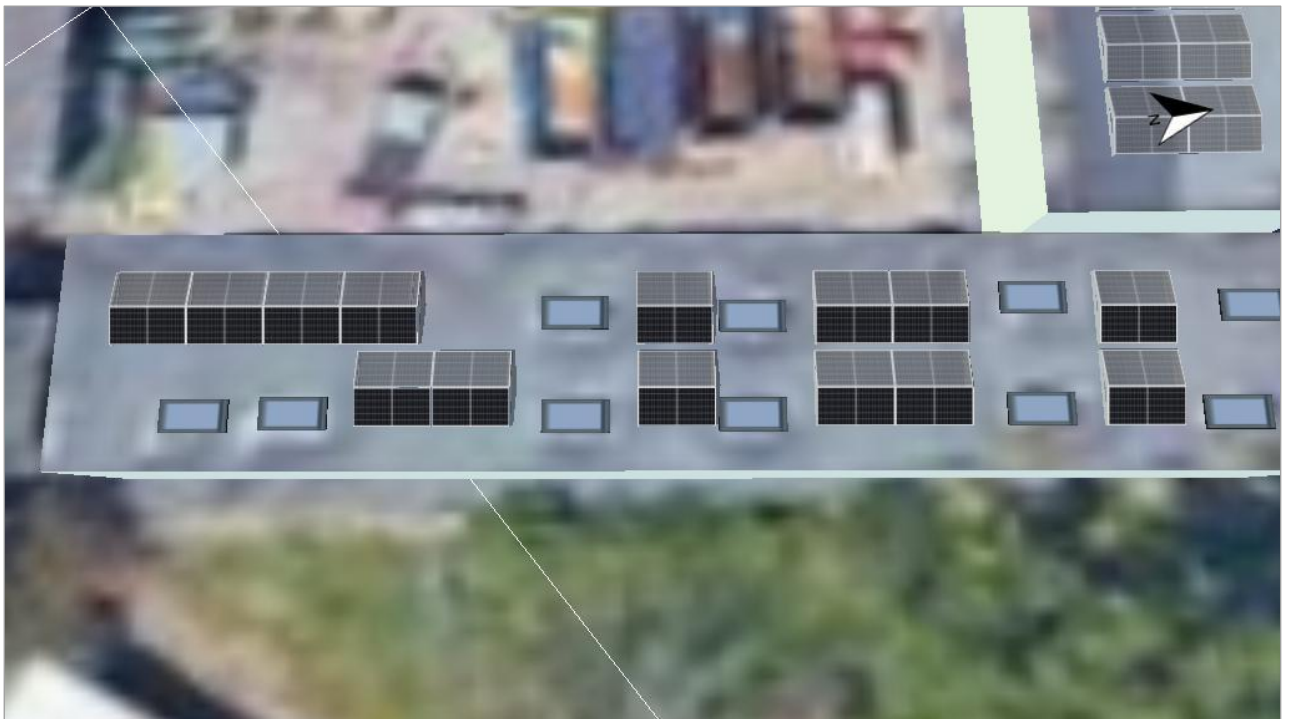


Figure: 25. Module Area - Building 17-Module Area East

26. Module Area - Building 17-Module Area West

PV Generator, 26. Module Area - Building 17-Module Area West

Name	Building 17-Module Area West
PV Modules	14 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 279 °
Installation Type	Mounted - Roof
PV Generator Surface	36.2 m ²

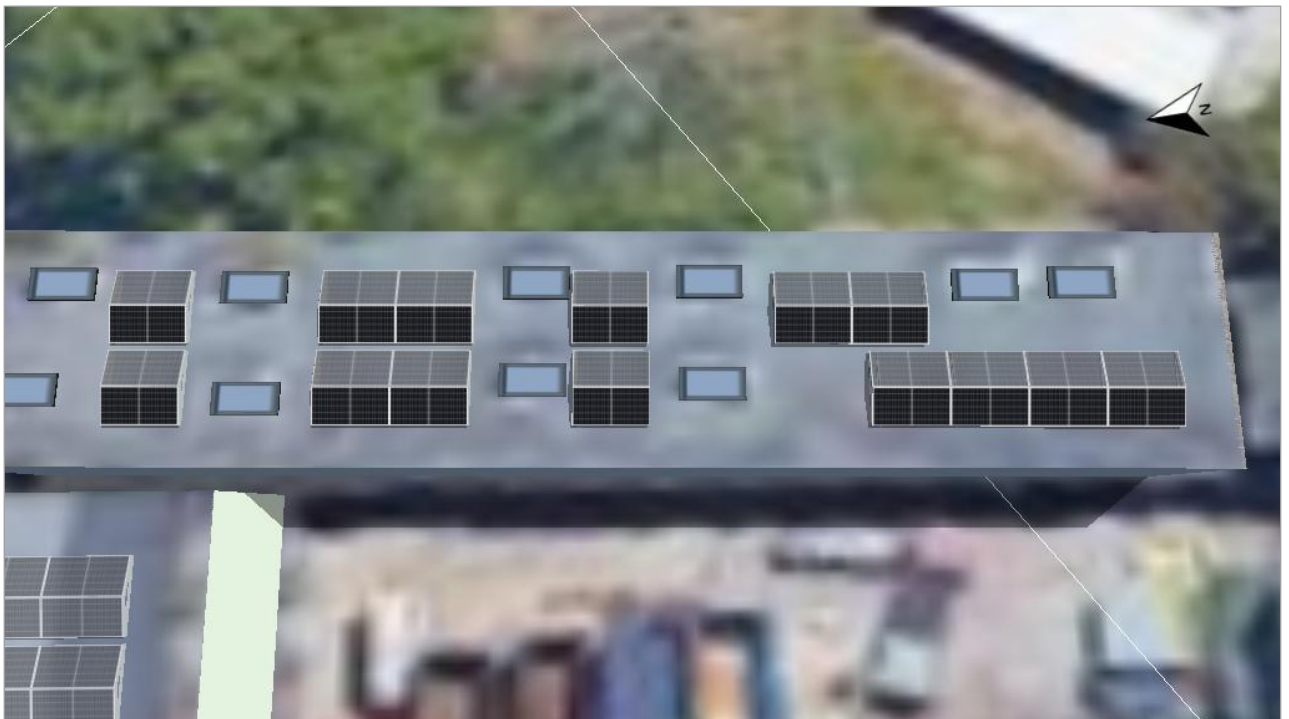


Figure: 26. Module Area - Building 17-Module Area West

27. Module Area - Arbitrary Building 10-Module Area East

PV Generator, 27. Module Area - Arbitrary Building 10-Module Area East

Name	Arbitrary Building 10-Module Area East
PV Modules	16 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 99 °
Installation Type	Mounted - Roof
PV Generator Surface	41.3 m ²

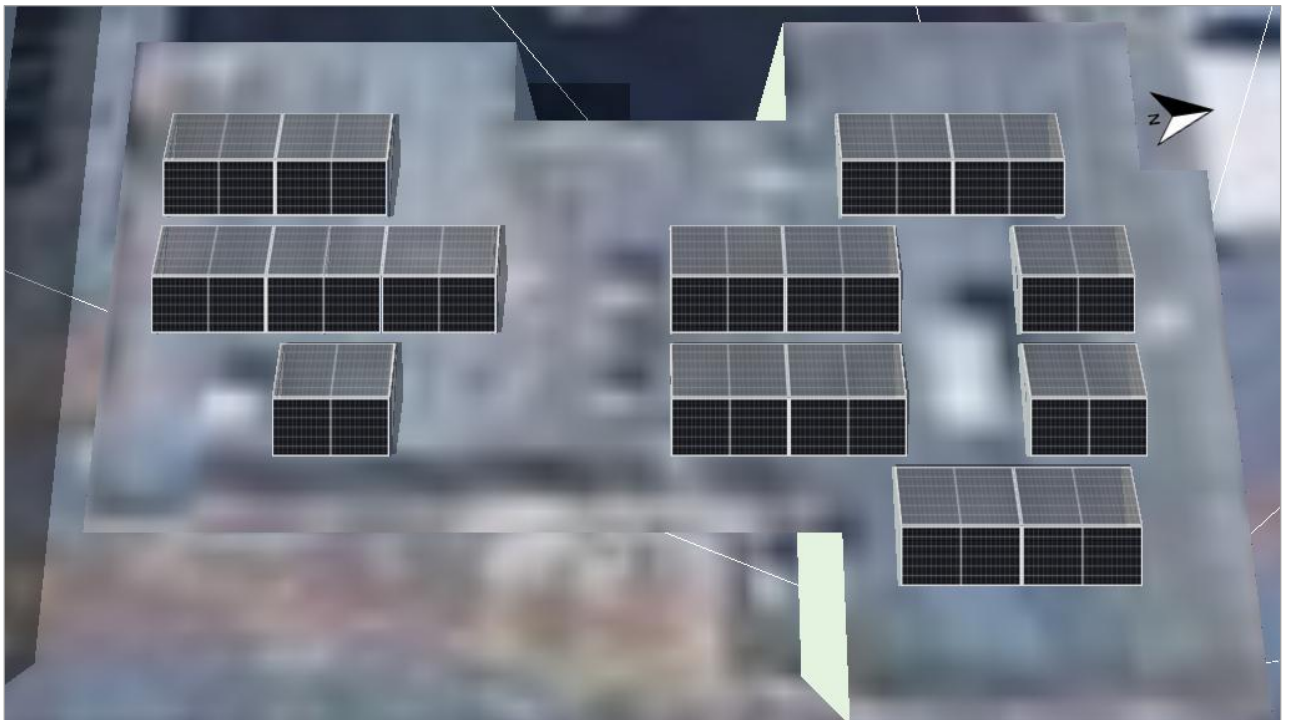


Figure: 27. Module Area - Arbitrary Building 10-Module Area East

28. Module Area - Arbitrary Building 10-Module Area West

PV Generator, 28. Module Area - Arbitrary Building 10-Module Area West

Name	Arbitrary Building 10-Module Area West
PV Modules	16 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 279 °
Installation Type	Mounted - Roof
PV Generator Surface	41.3 m ²

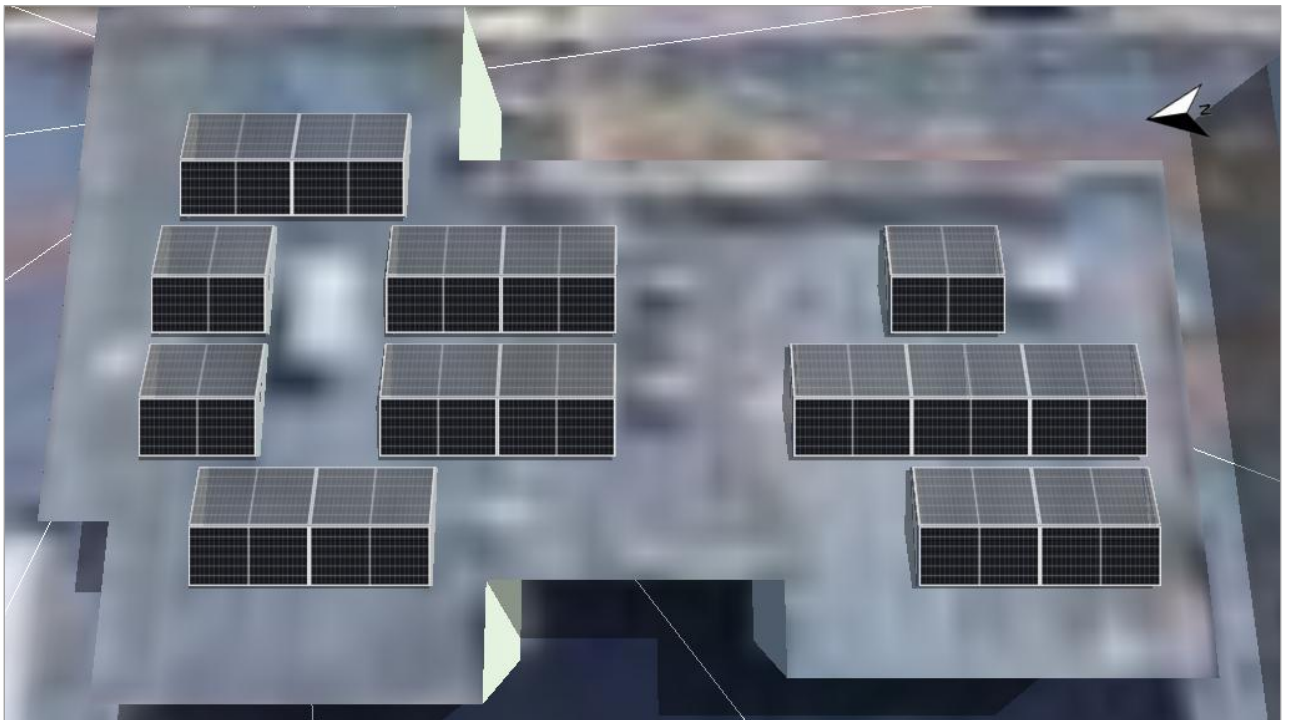


Figure: 28. Module Area - Arbitrary Building 10-Module Area West

29. Module Area - Arbitrary Building 12-Module Area East

PV Generator, 29. Module Area - Arbitrary Building 12-Module Area East

Name	Arbitrary Building 12-Module Area East
PV Modules	60 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 98 °
Installation Type	Mounted - Roof
PV Generator Surface	155.0 m ²



Figure: 29. Module Area - Arbitrary Building 12-Module Area East

30. Module Area - Arbitrary Building 12-Module Area West

PV Generator, 30. Module Area - Arbitrary Building 12-Module Area West

Name	Arbitrary Building 12-Module Area West
PV Modules	60 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 277 °
Installation Type	Mounted - Roof
PV Generator Surface	155.0 m ²



Figure: 30. Module Area - Arbitrary Building 12-Module Area West

31. Module Area - Arbitrary Building 13-Module Area East

PV Generator, 31. Module Area - Arbitrary Building 13-Module Area East

Name	Arbitrary Building 13-Module Area East
PV Modules	48 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	East 99 °
Installation Type	Mounted - Roof
PV Generator Surface	124.0 m ²



Figure: 31. Module Area - Arbitrary Building 13-Module Area East

32. Module Area - Arbitrary Building 13-Module Area West

PV Generator, 32. Module Area - Arbitrary Building 13-Module Area West

Name	Arbitrary Building 13-Module Area West
PV Modules	48 x M10T-B72HSW 575w
Manufacturer	DMEGC
Inclination	10 °
Orientation	West 278 °
Installation Type	Mounted - Roof
PV Generator Surface	124.0 m ²

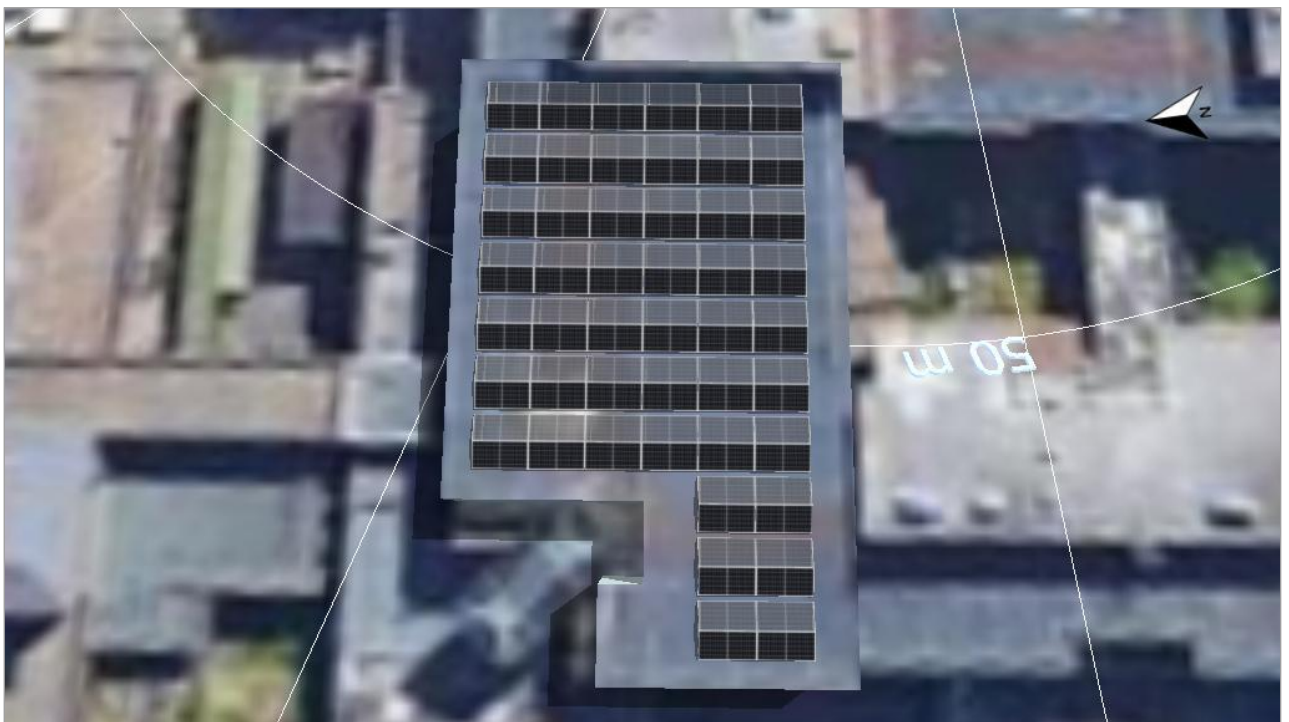


Figure: 32. Module Area - Arbitrary Building 13-Module Area West

Horizon Line, 3D Design

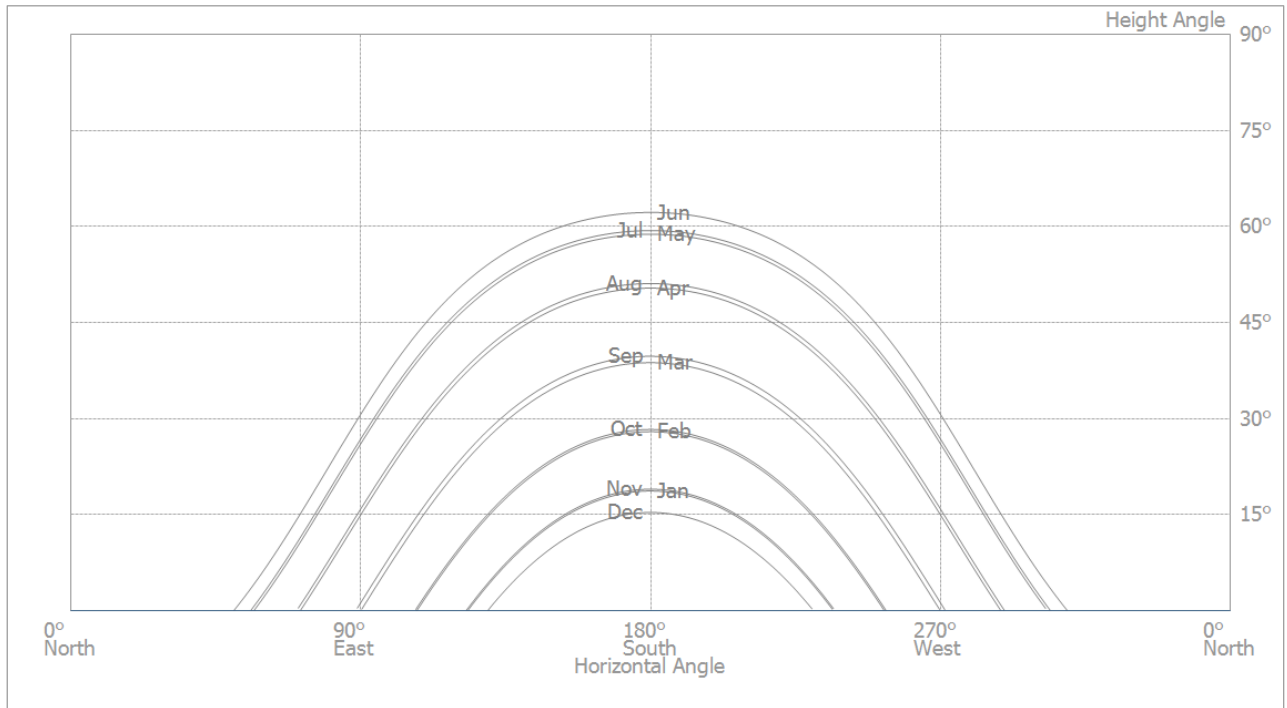


Figure: Horizon (3D Design)

Inverter configuration

Configuration 1

Module Areas	Building 03-Module Area East + Building 03-Module Area West
Inverter 1	
Model	S5-GC50K (v2)
Manufacturer	Ginlong (Solis)
Quantity	2
Sizing Factor	110.4 %
Configuration	MPP 1: 1 x 19 MPP 2: 1 x 15 MPP 3: 1 x 14 MPP 4: 2 x 14 MPP 5: 2 x 10

Configuration 2

Module Areas	Building 18-Module Area East + Building 18-Module Area West
Inverter 1	
Model	S5-GC30K (v2)
Manufacturer	Ginlong (Solis)
Quantity	1
Sizing Factor	122.7 %
Configuration	MPP 1: 2 x 10 MPP 2: 1 x 12 MPP 3: 2 x 16

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Configuration 3

Module Areas	Building 19-Module Area East + Building 19-Module Area West
Inverter 1	
Model	S5-GC30K (v2)
Manufacturer	Ginlong (Solis)
Quantity	1
Sizing Factor	115 %
Configuration	MPP 1: 1 x 16 MPP 2: 1 x 14 MPP 3: 2 x 15

Configuration 4

Module Areas	Building 01-Module Area East + Building 01-Module Area West
Inverter 1	
Model	S5-GC60K (v2)
Manufacturer	Ginlong (Solis)
Quantity	3
Sizing Factor	109.3 %
Configuration	MPP 1: 2 x 14 MPP 2: 1 x 15 MPP 3: 1 x 14 MPP 4: 2 x 13 MPP 5: 1 x 17 MPP 6: 1 x 14

Configuration 5

Module Areas	Building 02-Module Area East + Building 02-Module Area West
Inverter 1	
Model	S5-GR3P25K (v2)
Manufacturer	Ginlong (Solis)
Quantity	1
Sizing Factor	110.4 %
Configuration	MPP 1: 2 x 12 MPP 2: 2 x 12

Configuration 6

Module Areas	Arbitrary Building 09-Module Area West + Arbitrary Building 09-Module Area East
Inverter 1	
Model	S5-GC80K (v3)
Manufacturer	Ginlong (Solis)
Quantity	1
Sizing Factor	119.3 %
Configuration	MPP 1: 2 x 14 MPP 2: 1 x 16 MPP 3: 1 x 16 MPP 4: 1 x 14 MPP 5: 1 x 9 MPP 6: 2 x 15 MPP 7: 2 x 14 MPP 8: 1 x 16 MPP 9: 1 x 9

Configuration 7

Module Areas	Arbitrary Building 08-Module Area East + Arbitrary Building 08-Module Area West
Inverter 1	
Model	S5-GR3P10K (v2)
Manufacturer	Ginlong (Solis)
Quantity	1
Sizing Factor	115 %
Configuration	MPP 1: 1 x 10 MPP 2: 1 x 10

Configuration 8

Module Areas	Arbitrary Building 07-Module Area East + Arbitrary Building 07-Module Area West
Inverter 1	
Model	S5-GR3P10K (v2)
Manufacturer	Ginlong (Solis)
Quantity	1
Sizing Factor	92 %
Configuration	MPP 1: 1 x 8 MPP 2: 1 x 8

Configuration 9

Module Areas	Arbitrary Building 06-Module Area East + Arbitrary Building 06-Module Area West
Inverter 1	
Model	S5-GR3P10K (v2)
Manufacturer	Ginlong (Solis)
Quantity	1
Sizing Factor	126.5 %
Configuration	MPP 1: 1 x 11 MPP 2: 1 x 11

Configuration 10

Module Areas	Arbitrary Building 05-Module Area East + Arbitrary Building 05-Module Area West
Inverter 1	
Model	S5-GC80K (v3)
Manufacturer	Ginlong (Solis)
Quantity	1
Sizing Factor	99.2 %
Configuration	MPP 1: 1 x 16 MPP 2: 1 x 16 MPP 3: 1 x 15 MPP 4: 1 x 14 MPP 5: 1 x 8 MPP 6: 2 x 11 MPP 7: 1 x 16 MPP 8: 1 x 16 MPP 9: 1 x 15

Configuration 11

Module Areas	Building 04-Module Area East + Building 04-Module Area West
Inverter 1	
Model	S5-GR3P15K (v2)
Manufacturer	Ginlong (Solis)
Quantity	3
Sizing Factor	107.3 %
Configuration	MPP 1: 1 x 14 MPP 2: 1 x 14

Configuration 12

Module Areas	Building 15-Module Area East + Building 15-Module Area West
Inverter 1	
Model	S5-GR3P10K (v2)
Manufacturer	Ginlong (Solis)
Quantity	4
Sizing Factor	115 %
Configuration	MPP 1: 1 x 10 MPP 2: 1 x 10

Configuration 13

Module Areas	Building 17-Module Area East + Building 17-Module Area West
Inverter 1	
Model	S5-GR3P15K (v2)
Manufacturer	Ginlong (Solis)
Quantity	1
Sizing Factor	107.3 %
Configuration	MPP 1: 1 x 14 MPP 2: 1 x 14

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Configuration 14

Module Areas	Arbitrary Building 10-Module Area East + Arbitrary Building 10-Module Area West
Inverter 1	
Model	S5-GR3P15K (v2)
Manufacturer	Ginlong (Solis)
Quantity	1
Sizing Factor	122.7 %
Configuration	MPP 1: 1 x 16 MPP 2: 1 x 16

Configuration 15

Module Areas	Arbitrary Building 12-Module Area East + Arbitrary Building 12-Module Area West
Inverter 1	
Model	S5-GC60K (v2)
Manufacturer	Ginlong (Solis)
Quantity	1
Sizing Factor	115 %
Configuration	MPP 1: 2 x 13 MPP 2: 2 x 10 MPP 3: 1 x 14 MPP 4: 2 x 12 MPP 5: 2 x 10 MPP 6: 1 x 16

Configuration 16

Module Areas	Arbitrary Building 13-Module Area East + Arbitrary Building 13-Module Area West
Inverter 1	
Model	S5-GC50K (v2)
Manufacturer	Ginlong (Solis)
Quantity	1
Sizing Factor	110.4 %
Configuration	MPP 1: 1 x 19 MPP 2: 1 x 15 MPP 3: 1 x 14 MPP 4: 2 x 14 MPP 5: 2 x 10

AC Mains

AC Mains

Number of Phases	3
Mains voltage between phase and neutral	230 V
Displacement Power Factor (cos phi)	+/- 1

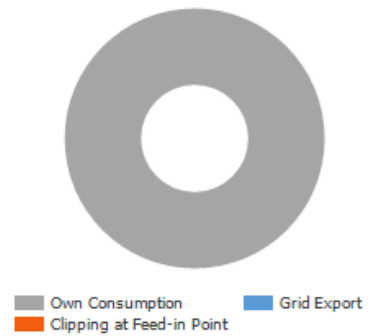
Simulation Results

Results Total System

PV System

PV Generator Output	867.10 kWp
Spec. Annual Yield	966.36 kWh/kWp
Performance Ratio (PR)	94.15 %
Yield Reduction due to Shading	0.8 %
PV Generator Energy (AC grid)	838,261 kWh/Year
Own Consumption	838,261 kWh/Year
Clipping at Feed-in Point	0 kWh/Year
Grid Export	0 kWh/Year
Own Power Consumption	100.0 %
CO ₂ Emissions avoided	393,829 kg / year

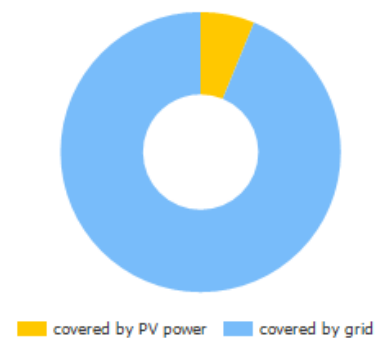
PV Generator Energy (AC grid)



Appliances

Appliances	13,467,213 kWh/Year
Standby Consumption (Inverter)	327 kWh/Year
Total Consumption	13,467,540 kWh/Year
covered by PV power	838,261 kWh/Year
covered by grid	12,629,279 kWh/Year
Solar Fraction	6.2 %

Total Consumption



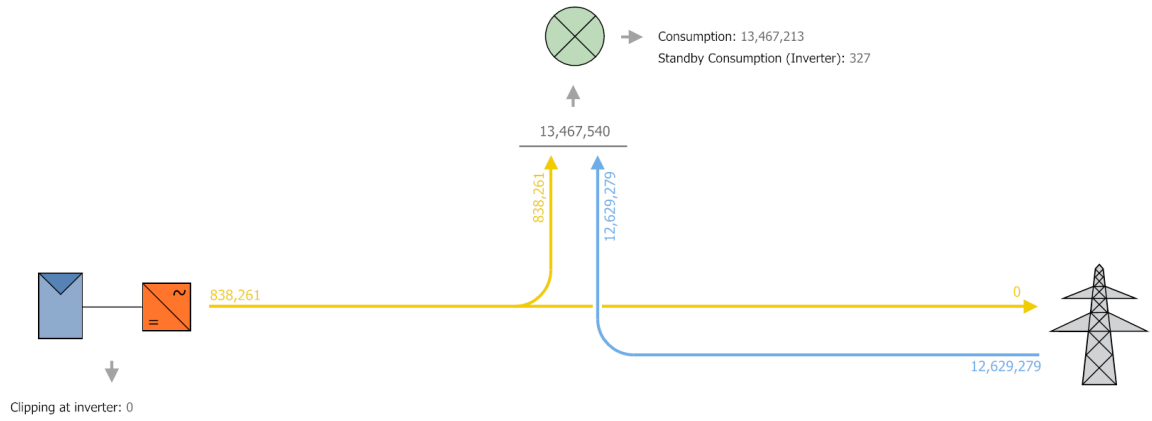
Level of Self-sufficiency

Total Consumption	13,467,540 kWh/Year
covered by grid	12,629,279 kWh/Year
Level of Self-sufficiency	6.2 %

Royal Surrey County Hospital PV

Energy Flow Graph

Project: Royal Surrey County Hospital PV



All values in kWh
Small deviations in the totals can occur due to rounding
created with PV*SOL.

Figure: Energy flow

Royal Surrey County Hospital PV

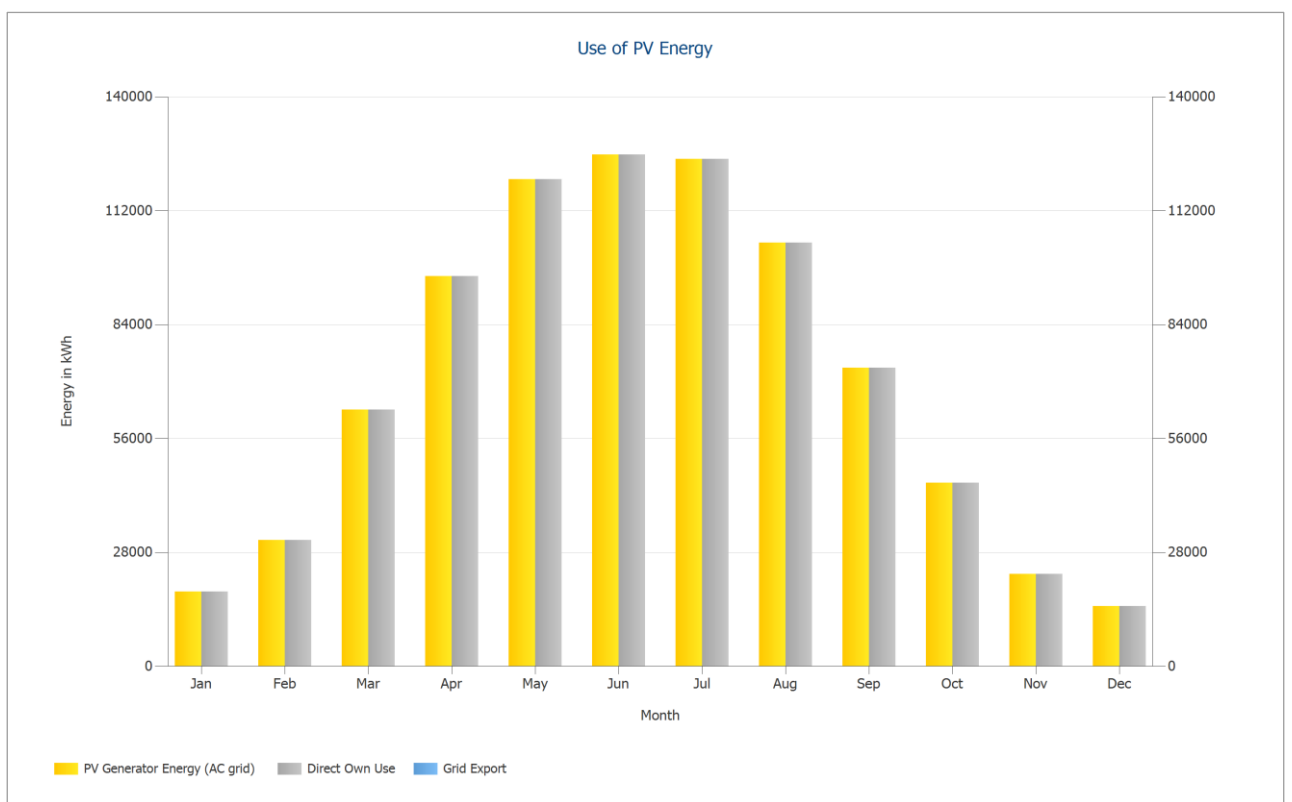


Figure: Use of PV Energy

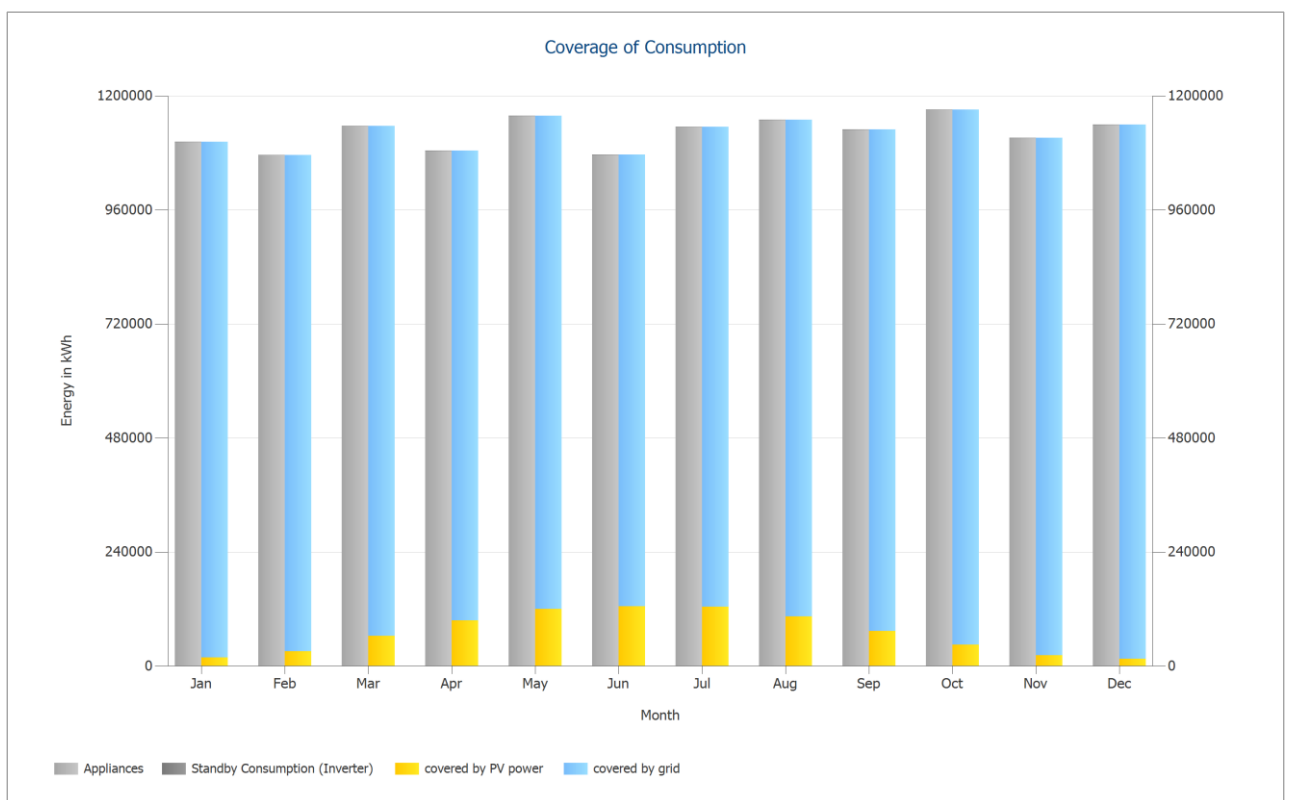


Figure: Coverage of Consumption

Overview plan

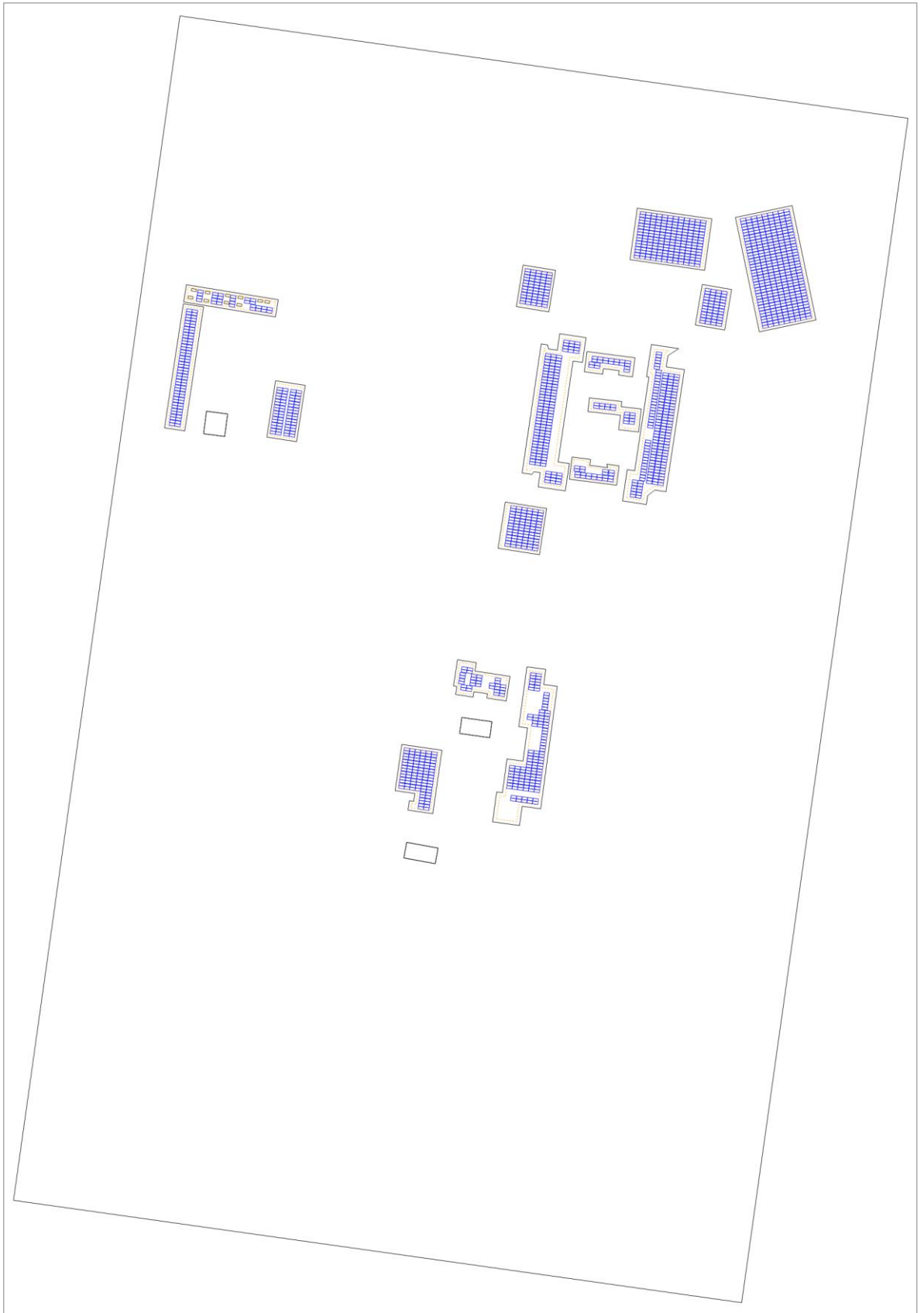


Figure: Overview plan

Dimensioning Plan

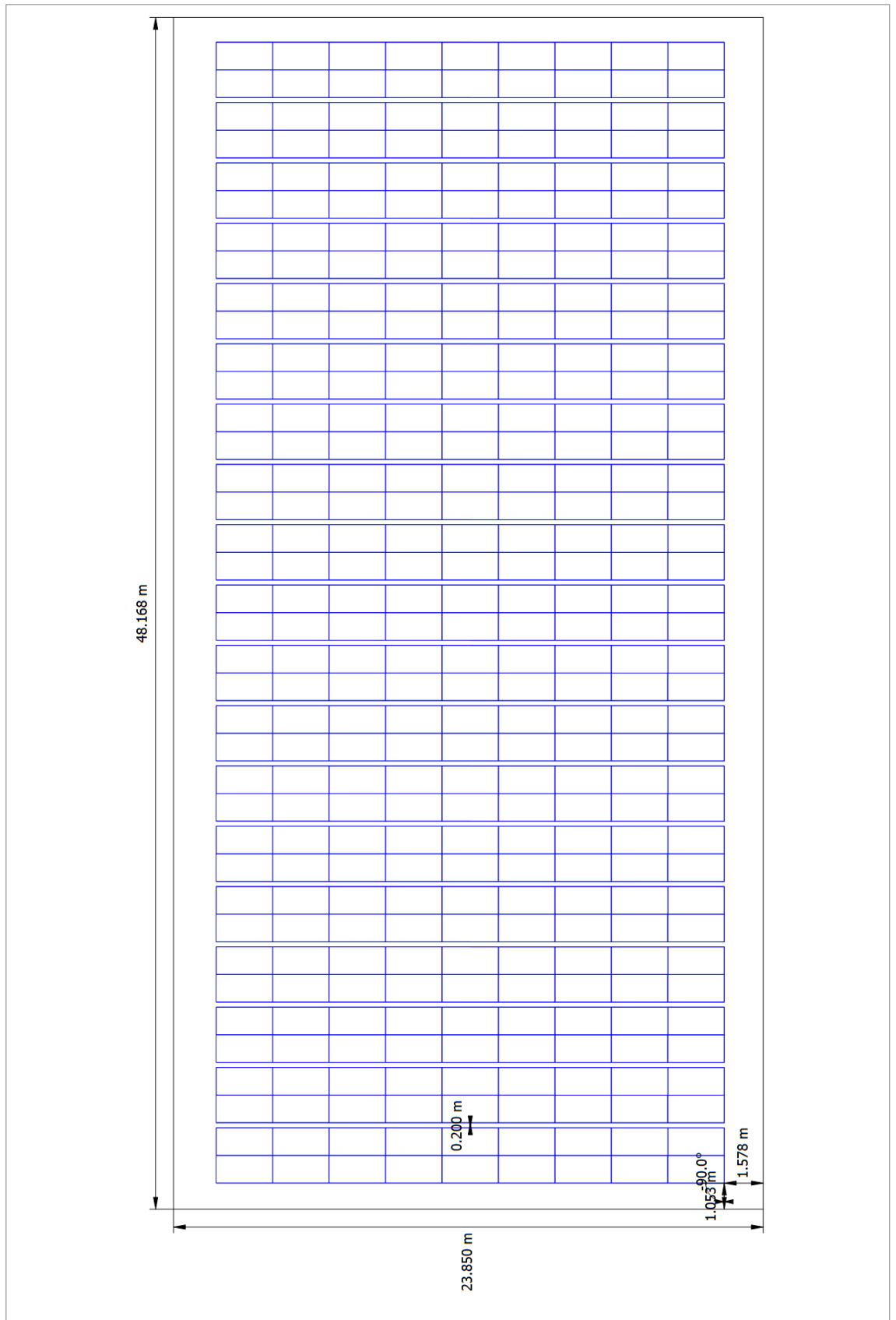


Figure: Building 01 - Roof Area South

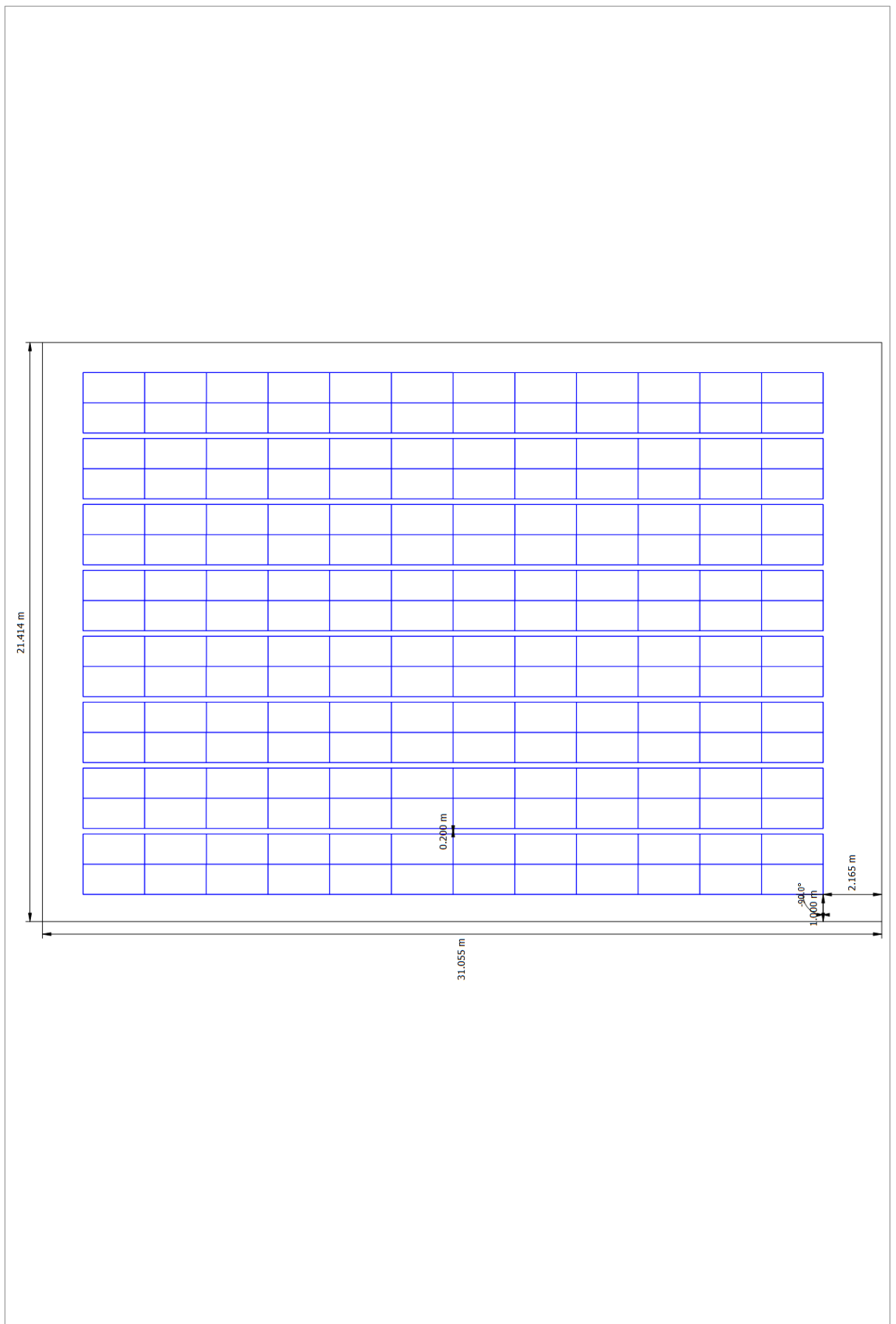


Figure: Building 03 - Roof Area South

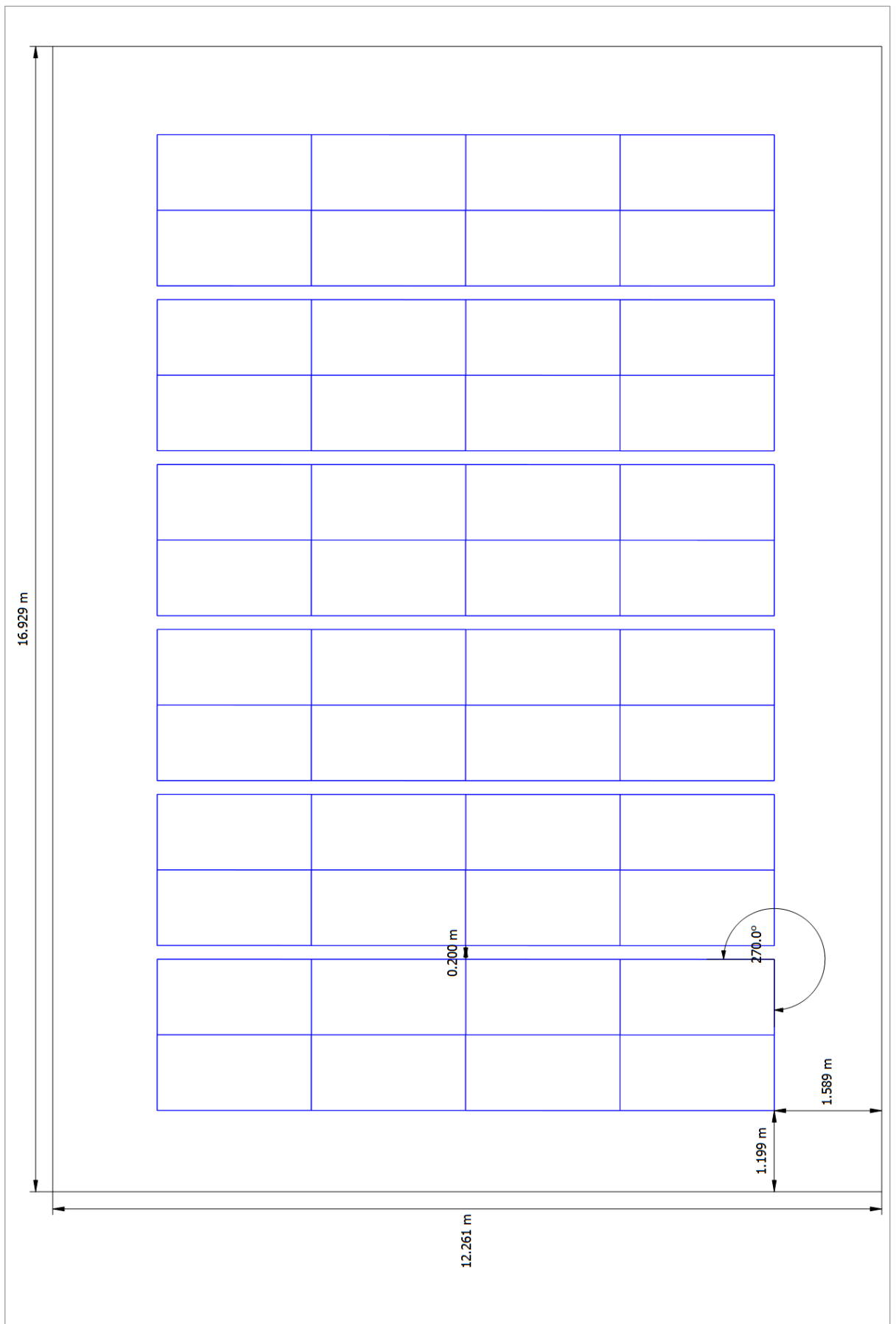


Figure: Building 02 - Roof Area South

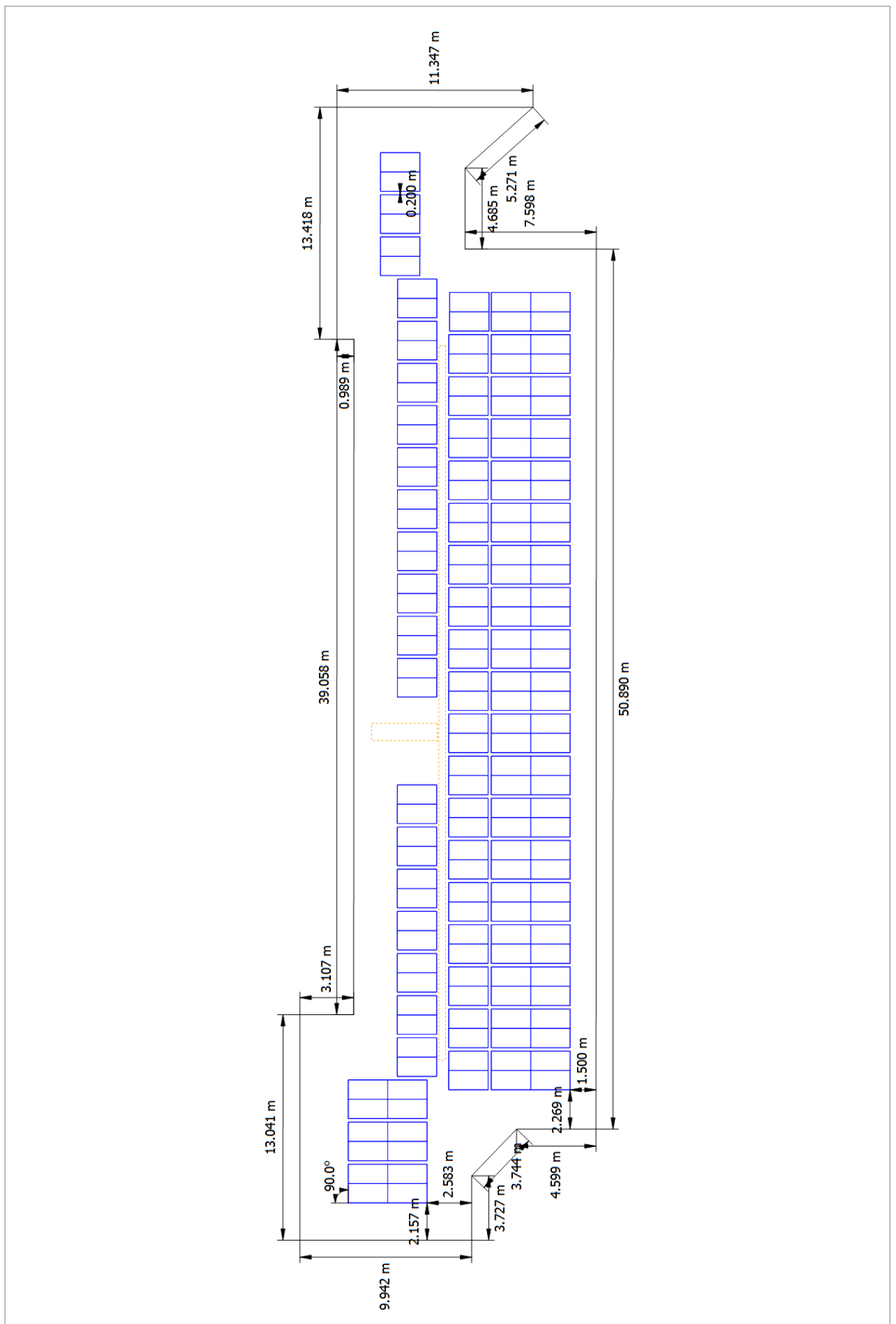


Figure: Arbitrary Building 09 - Mounting Surface South

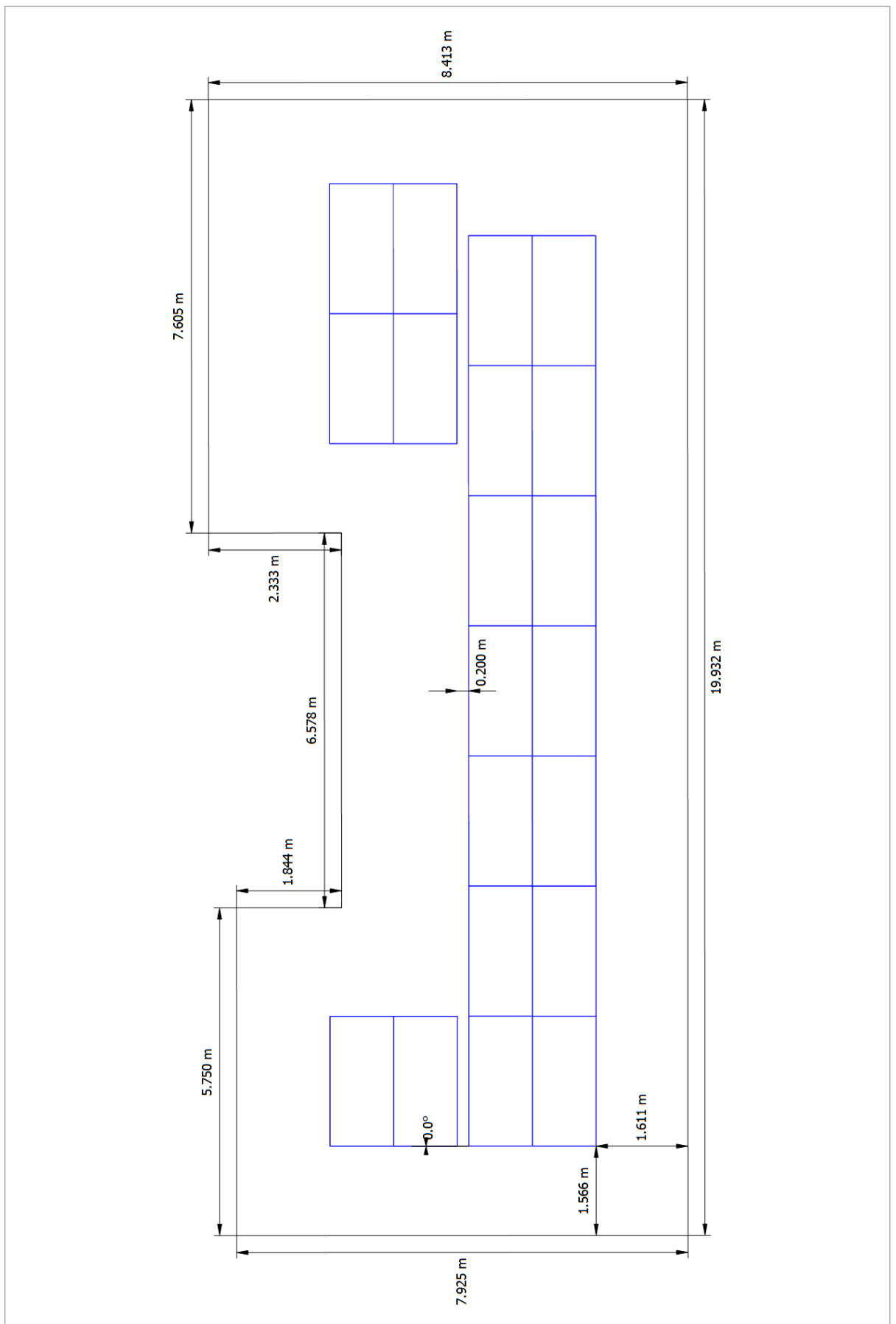


Figure: Arbitrary Building 08 - Mounting Surface East

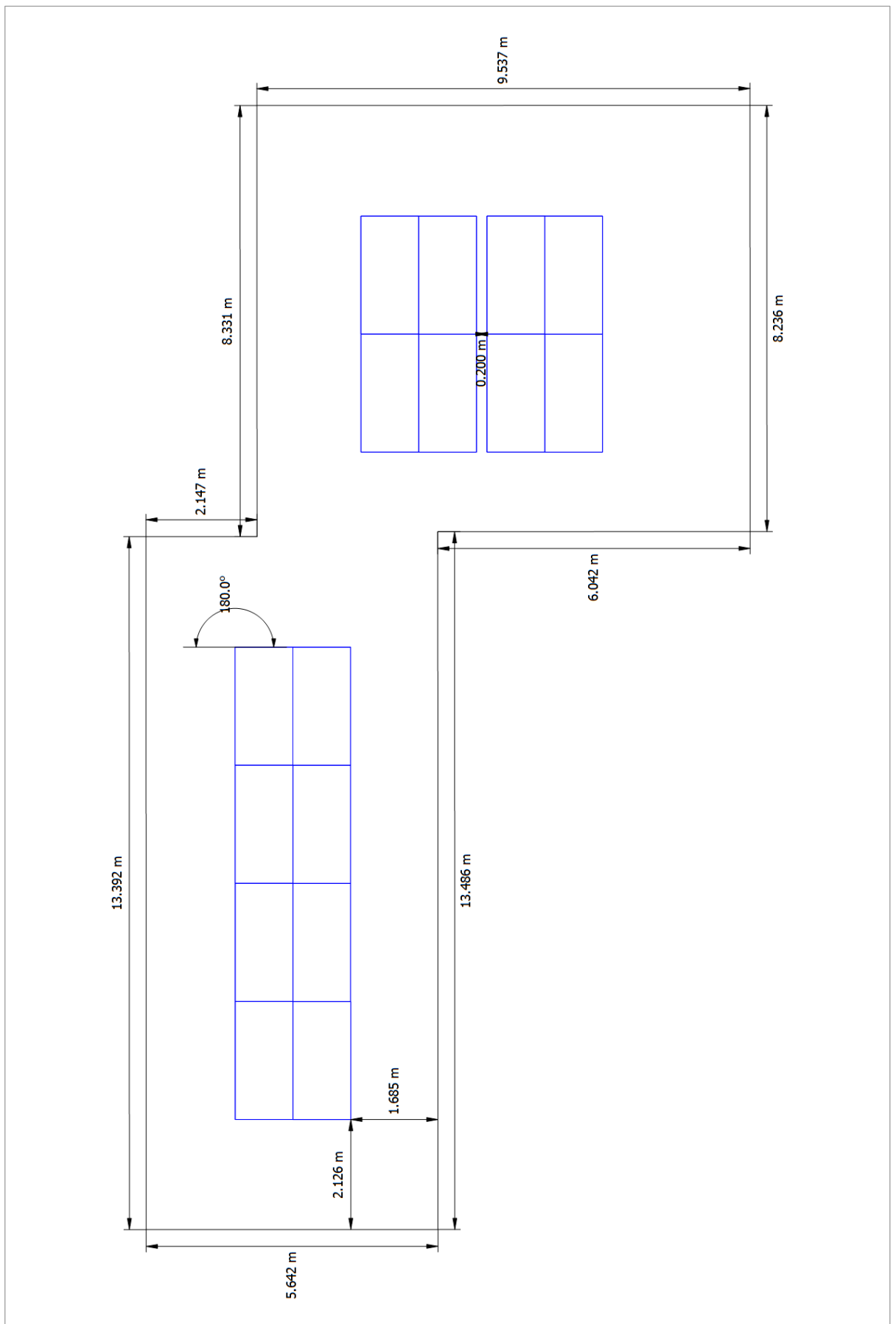


Figure: Arbitrary Building 07 - Mounting Surface West

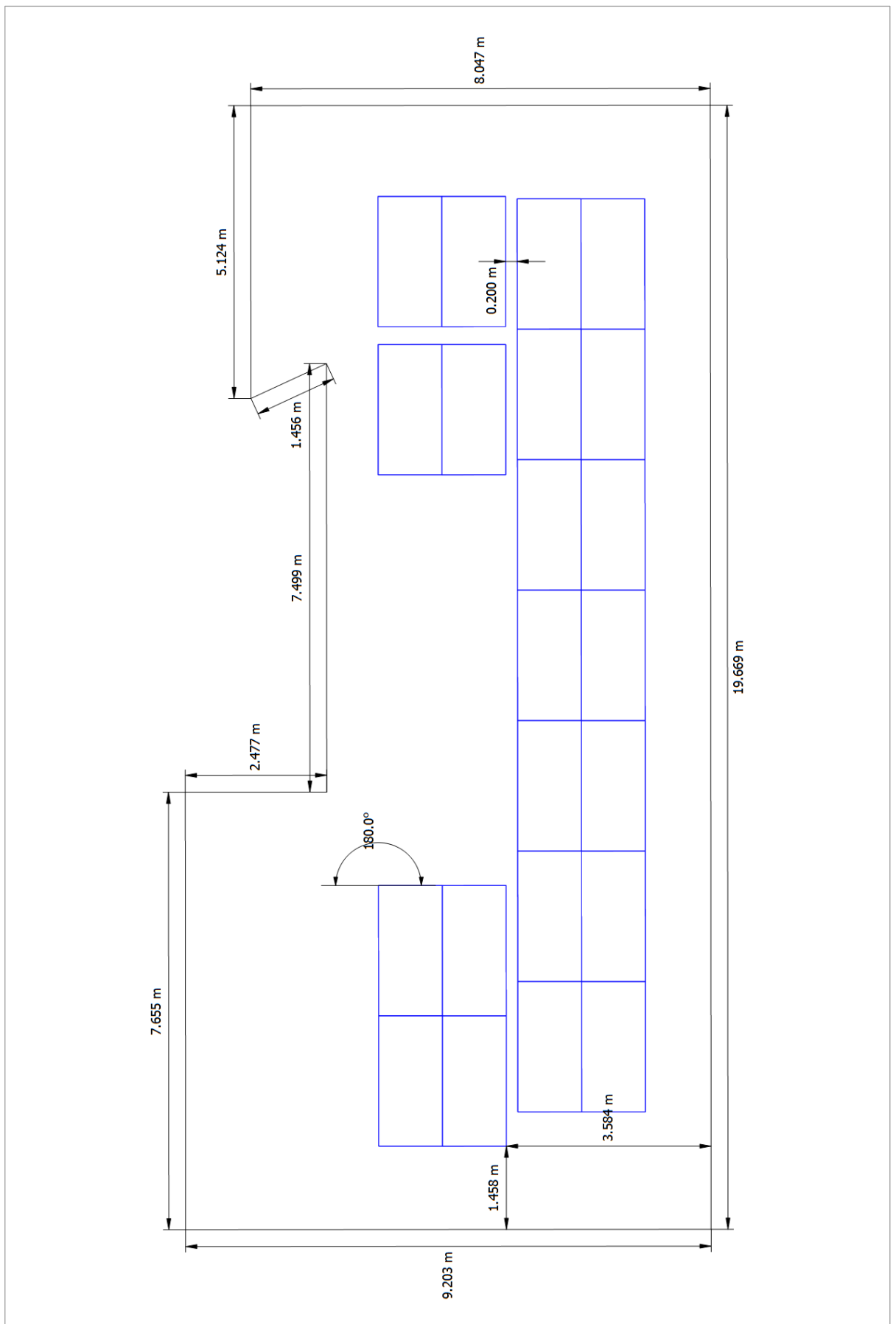


Figure: Arbitrary Building 06 - Mounting Surface West

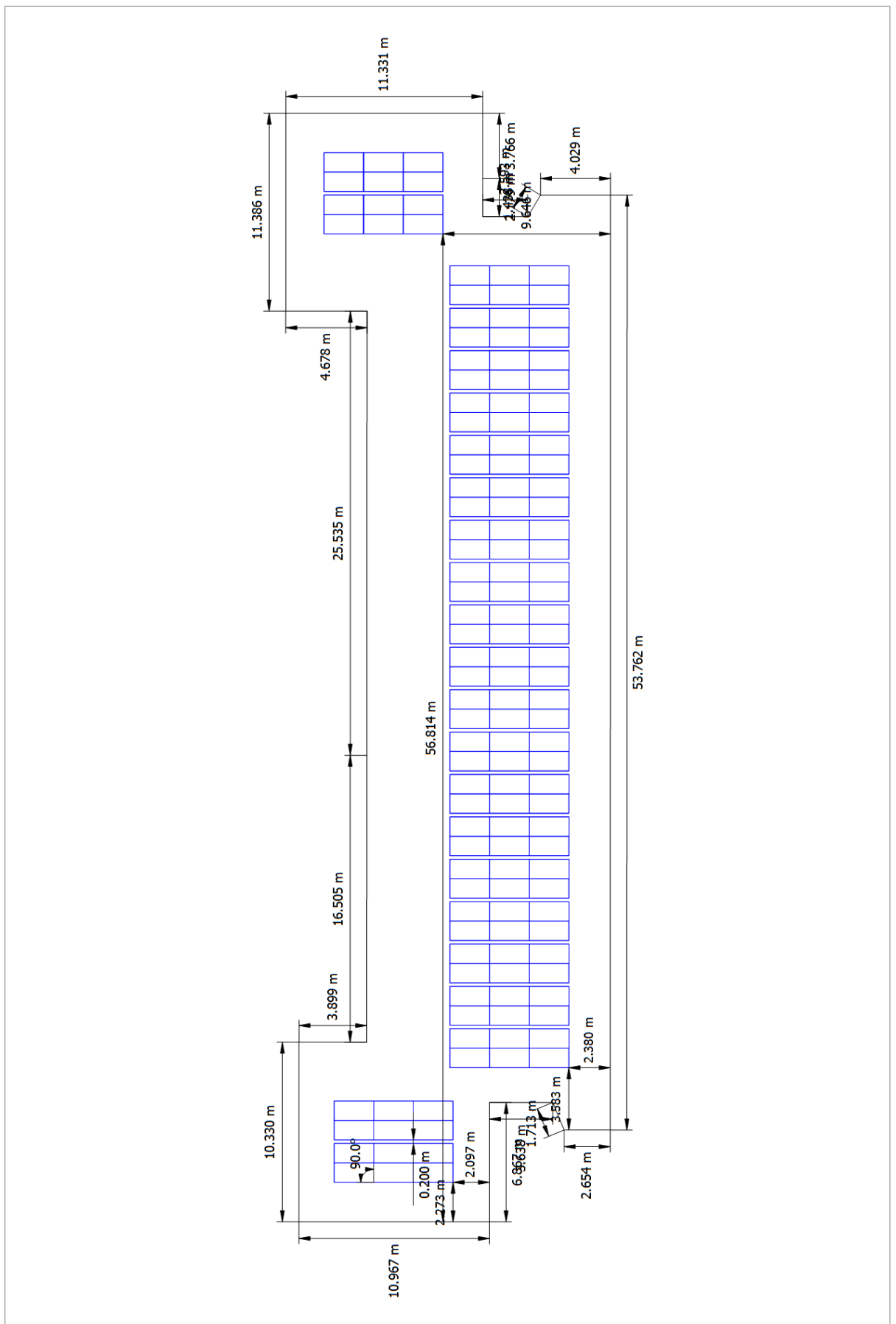


Figure: Arbitrary Building 05 - Mounting Surface North

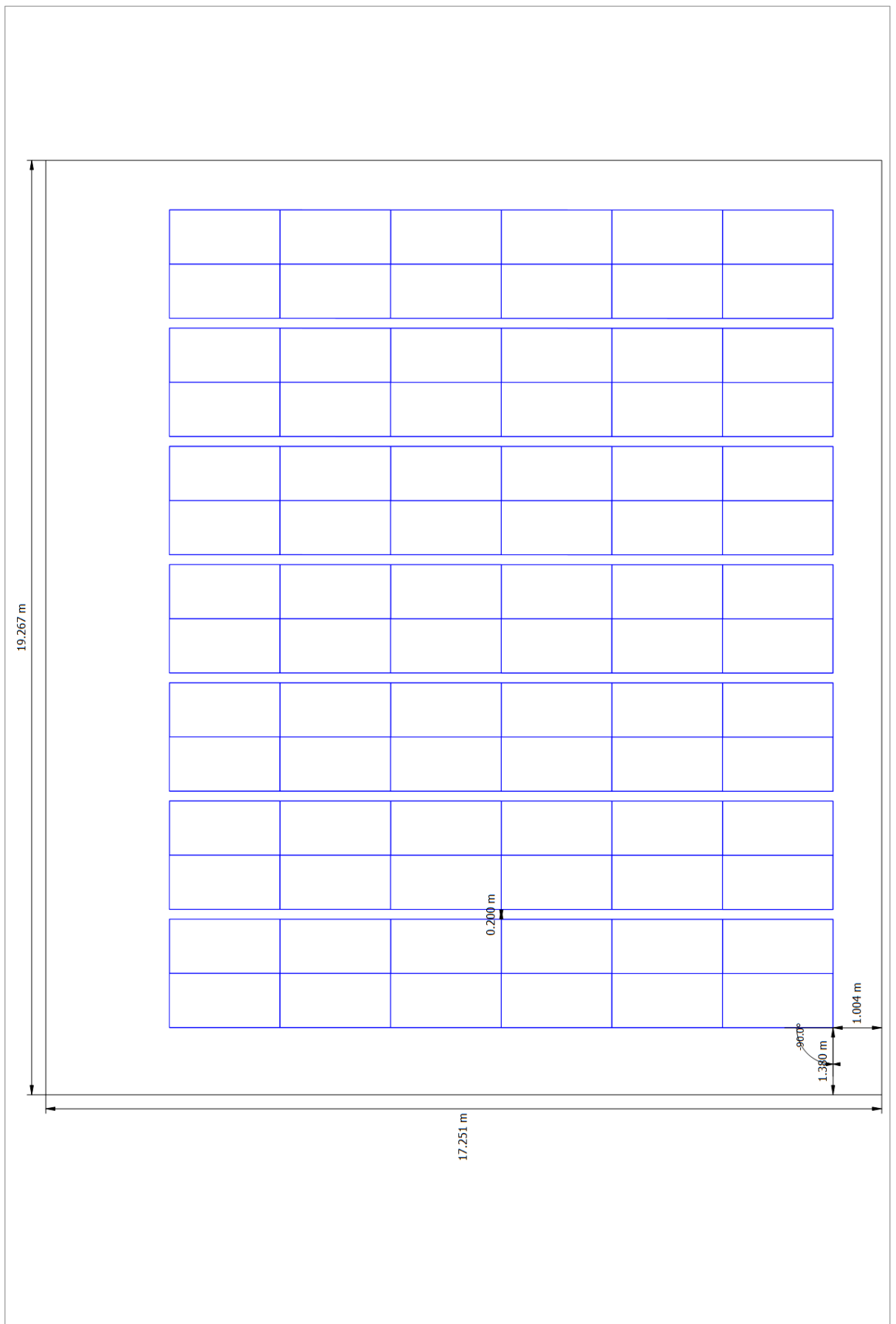


Figure: Building 04 - Roof Area South

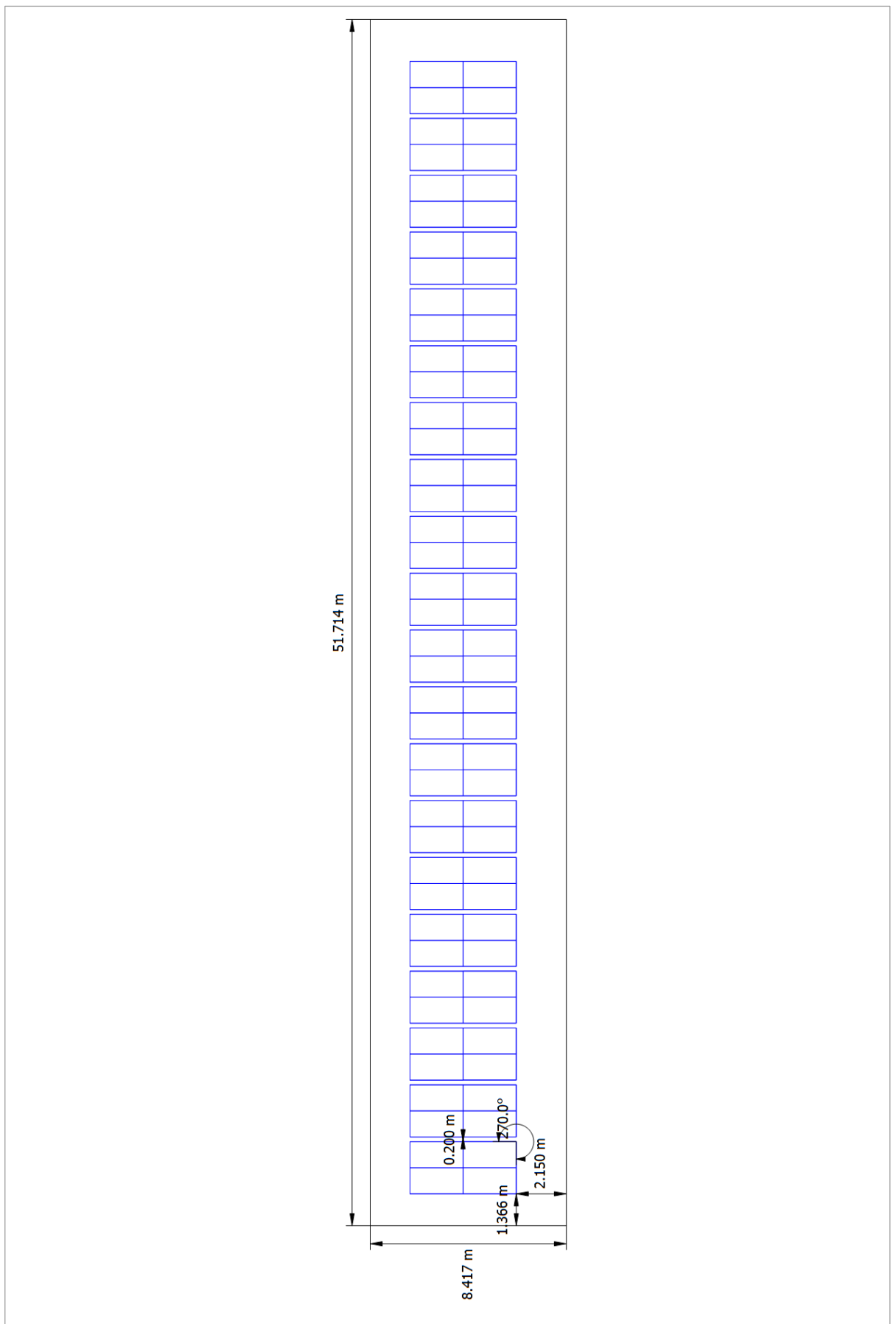


Figure: Building 15 - Roof Area South

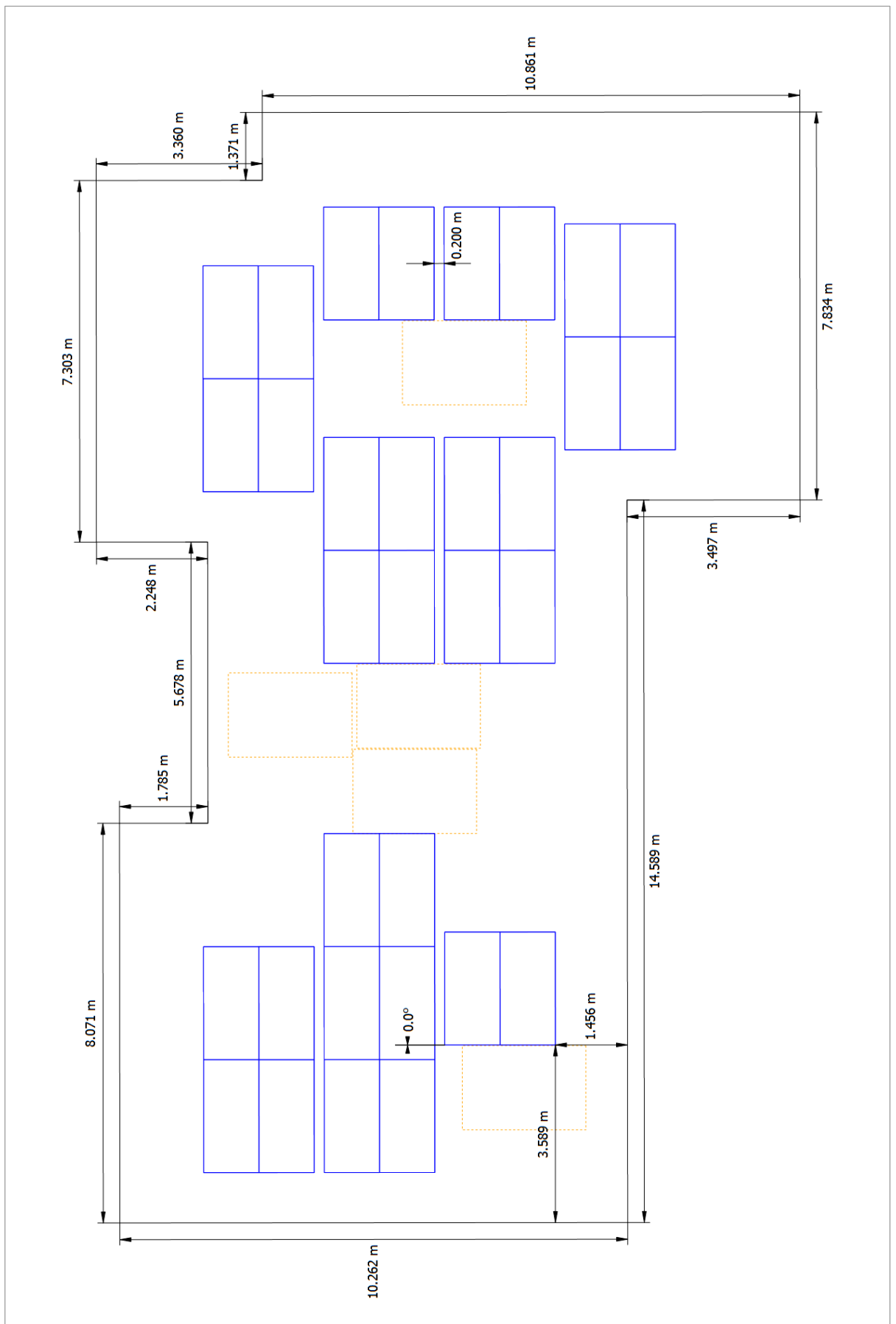


Figure: Arbitrary Building 10 - Mounting Surface East

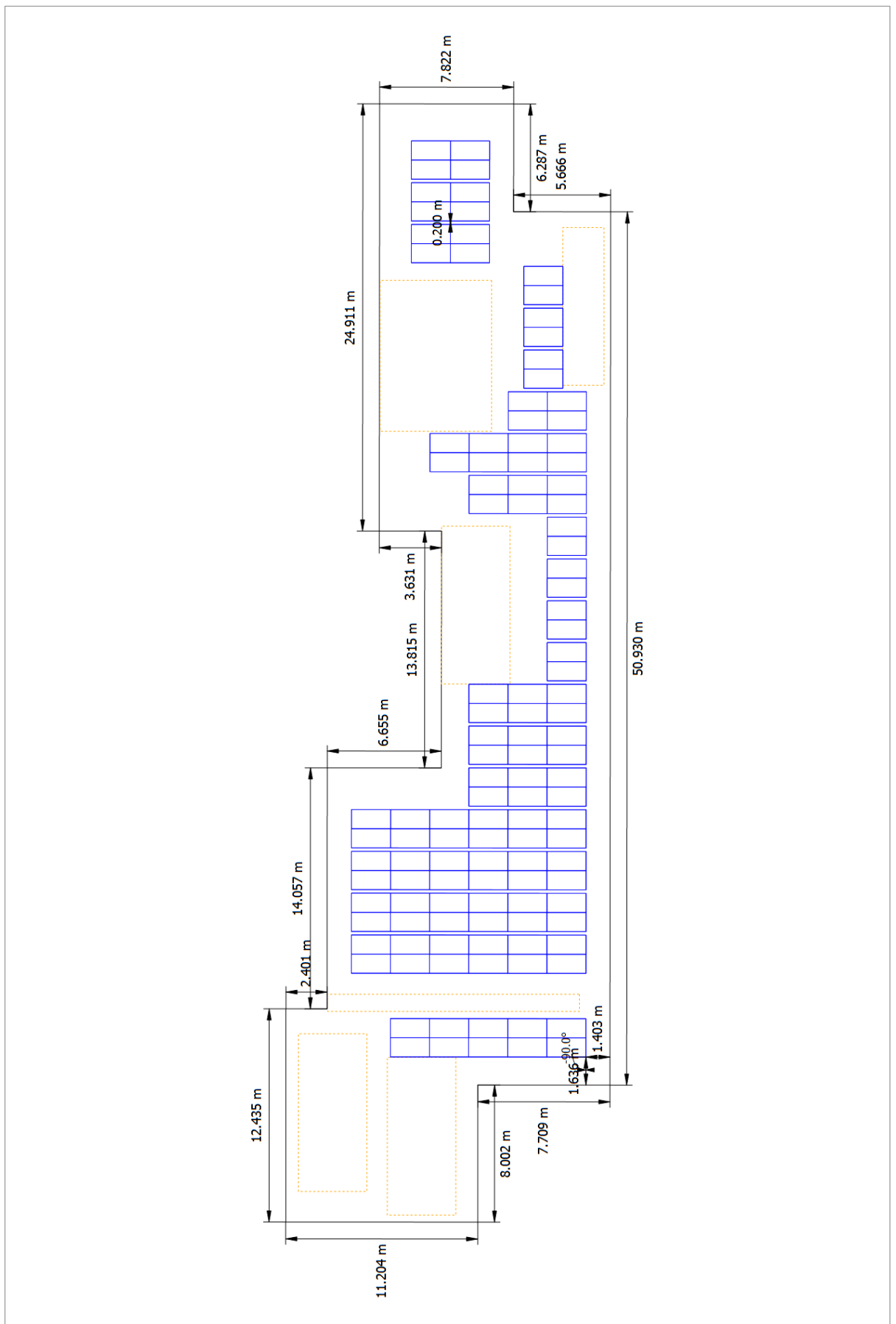


Figure: Arbitrary Building 12 - Mounting Surface South

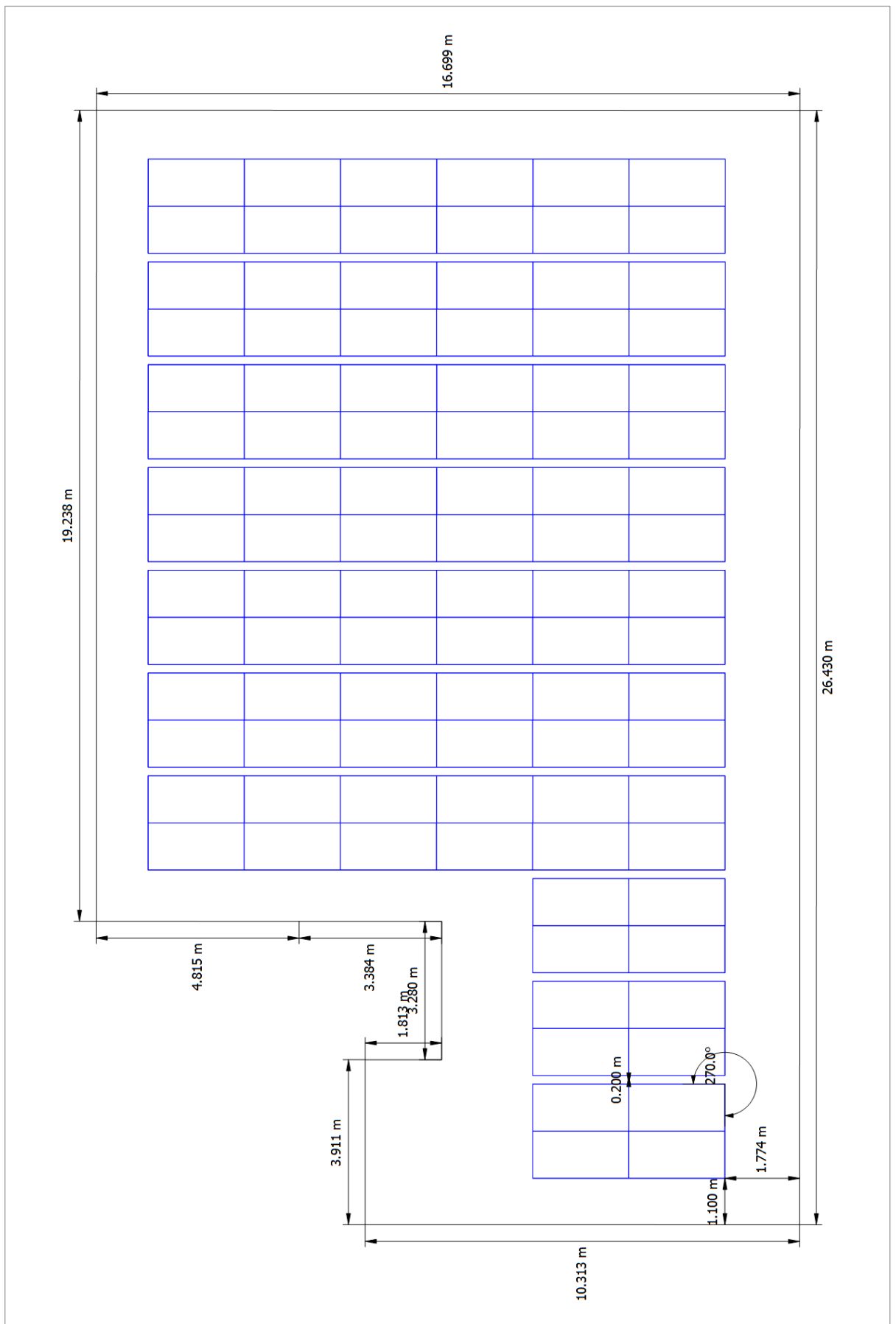


Figure: Arbitrary Building 13 - Mounting Surface South

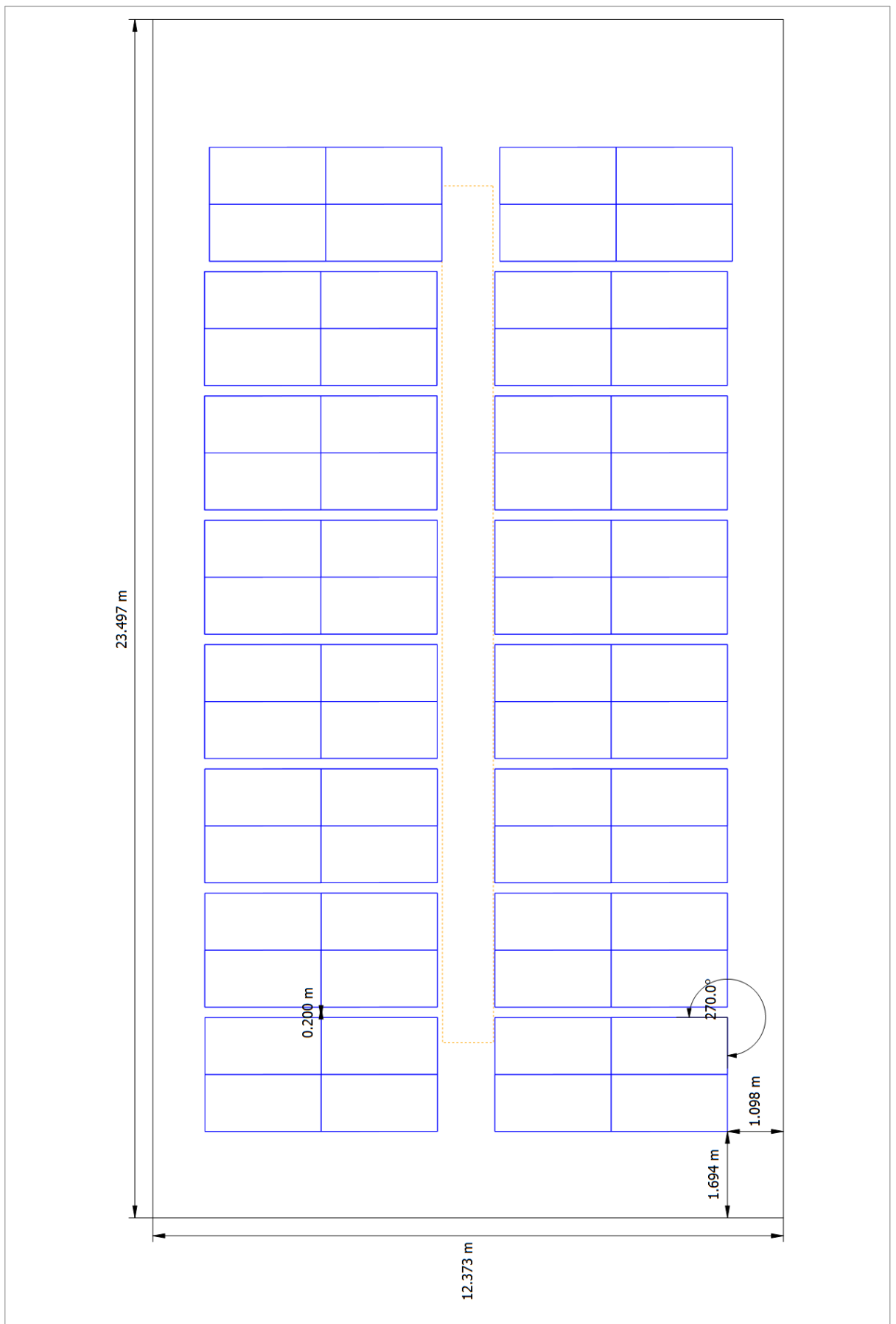


Figure: Building 18 - Roof Area South

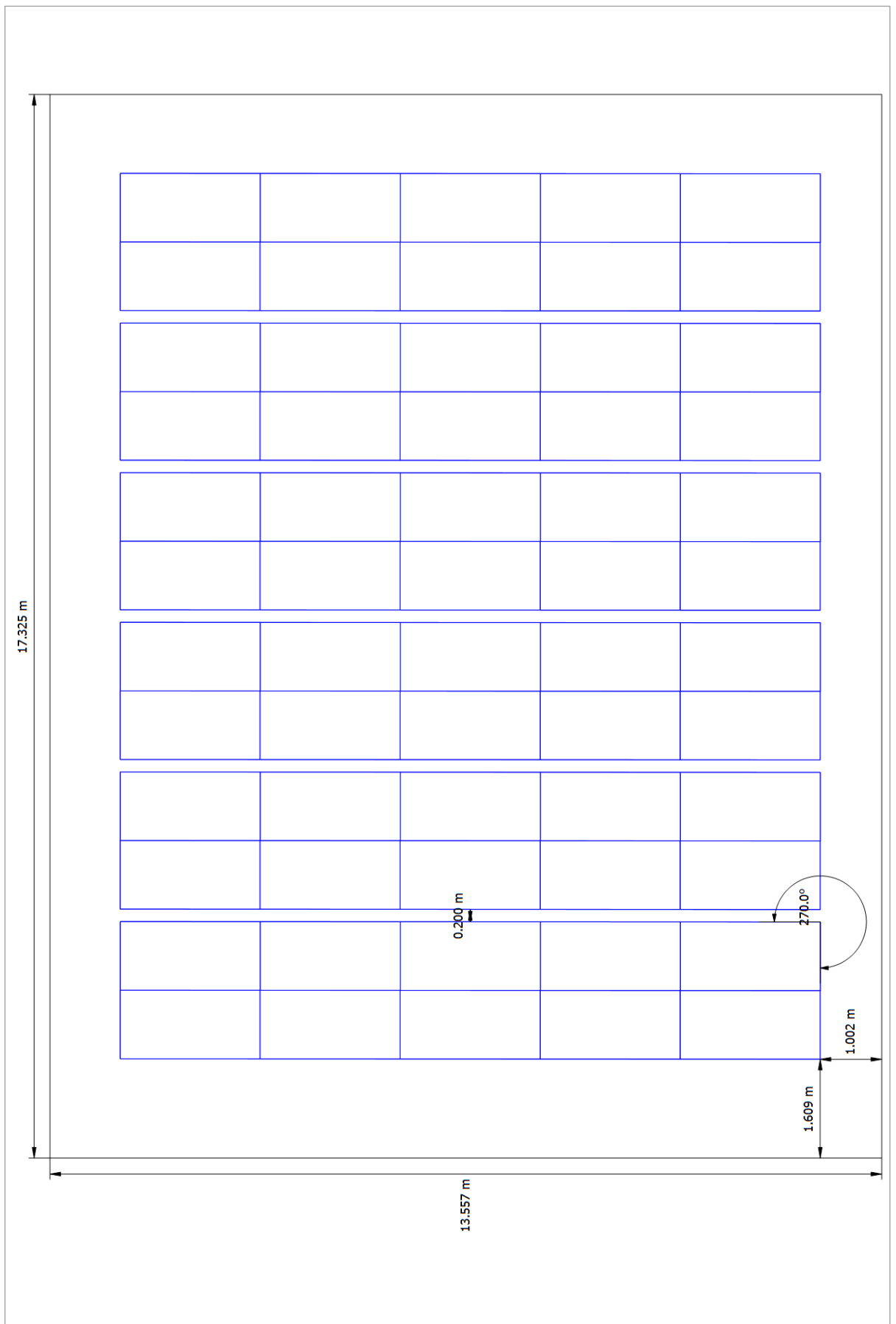


Figure: Building 19 - Roof Area South

String Plan

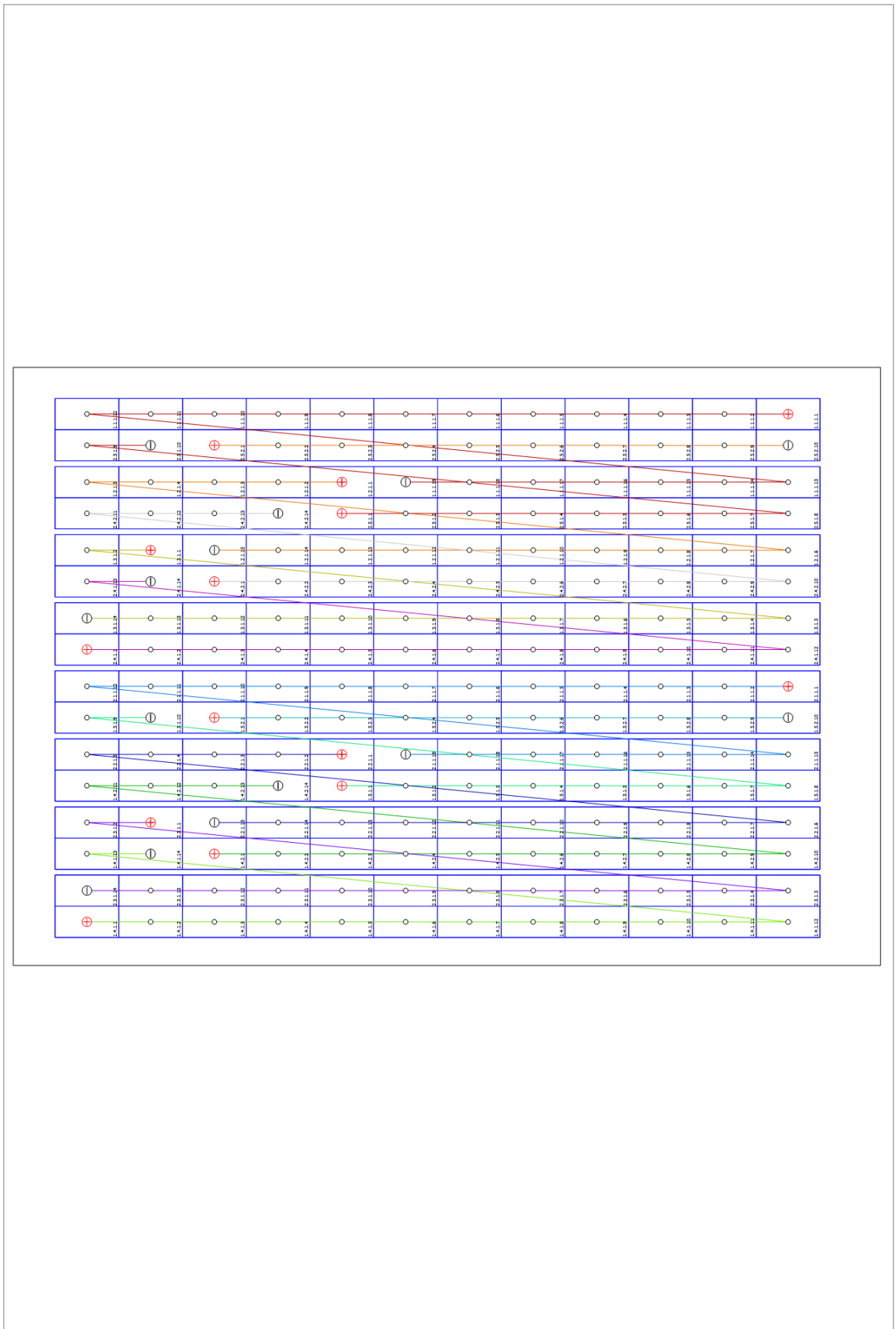


Figure: Building 03 - Roof Area South



Figure: Building 01 - Roof Area South

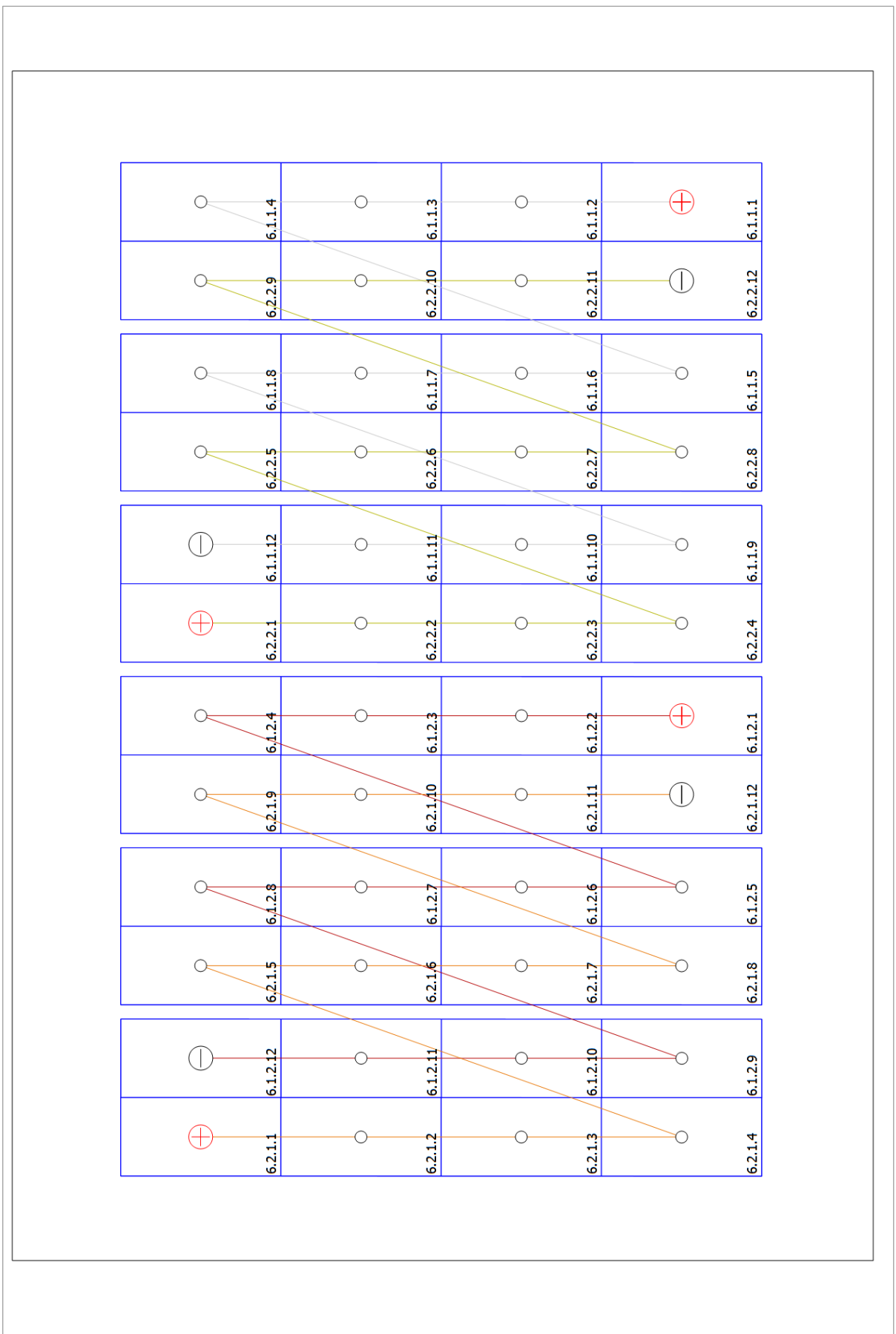


Figure: Building 02 - Roof Area South

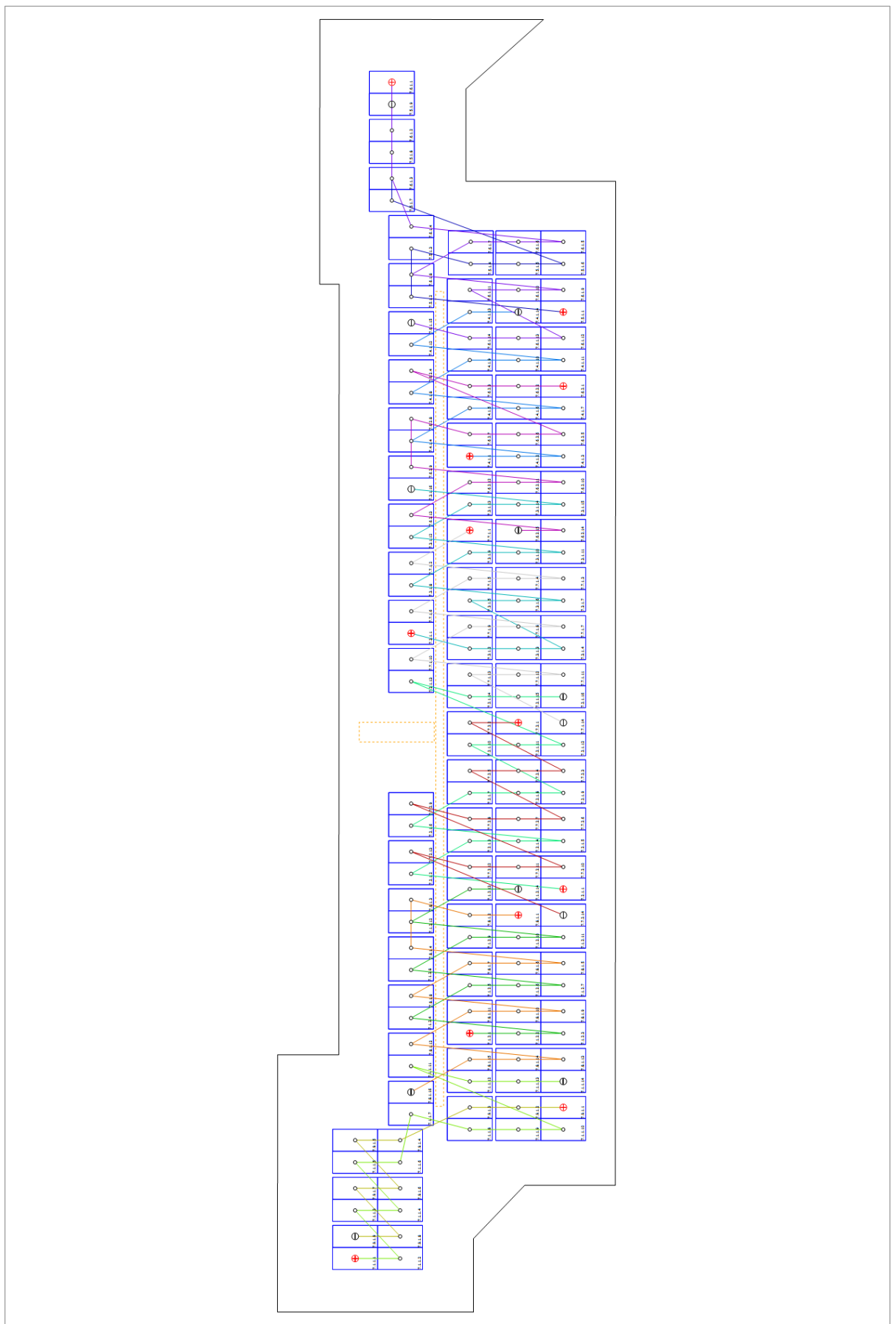


Figure: Arbitrary Building 09 - Mounting Surface South

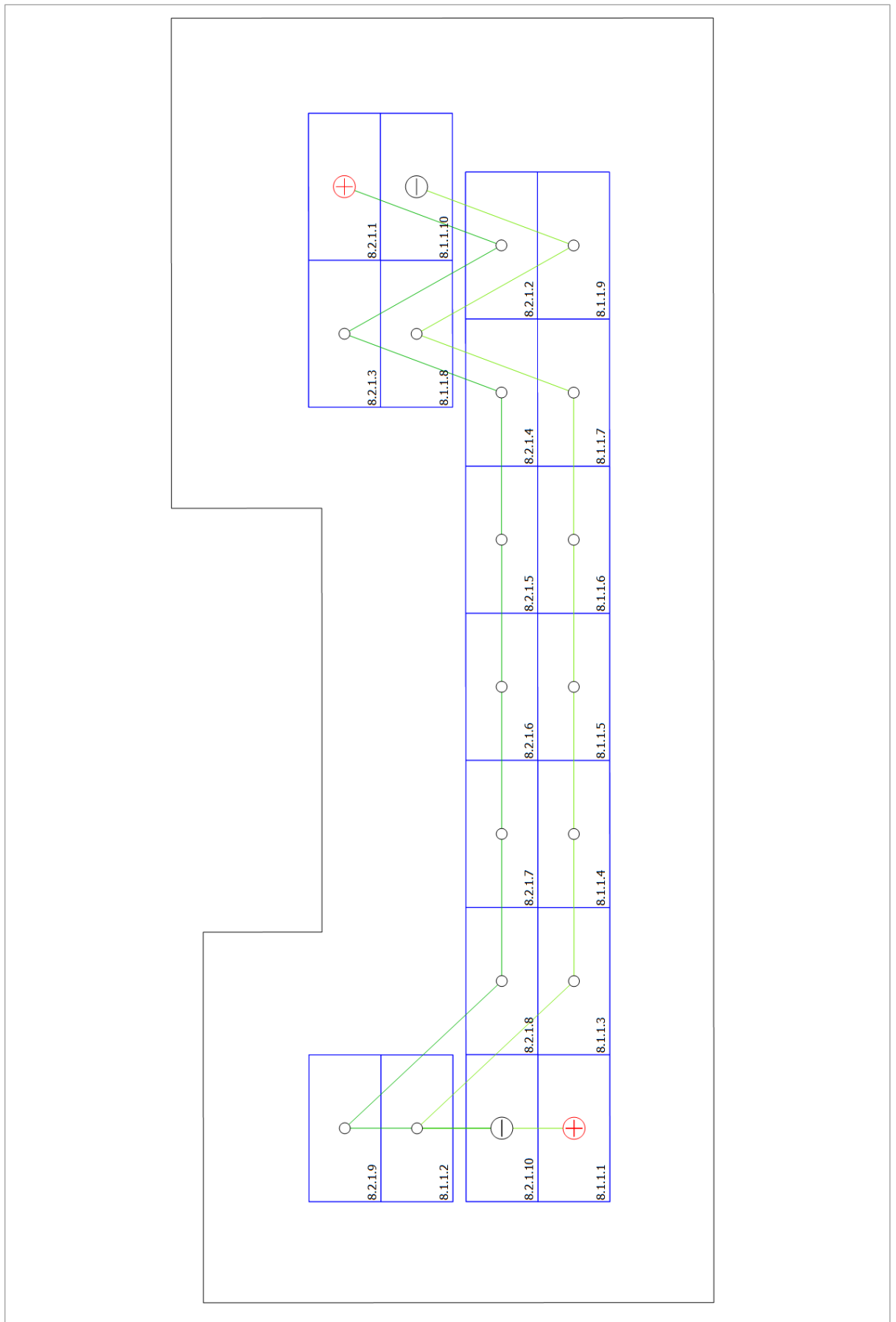


Figure: Arbitrary Building 08 - Mounting Surface East

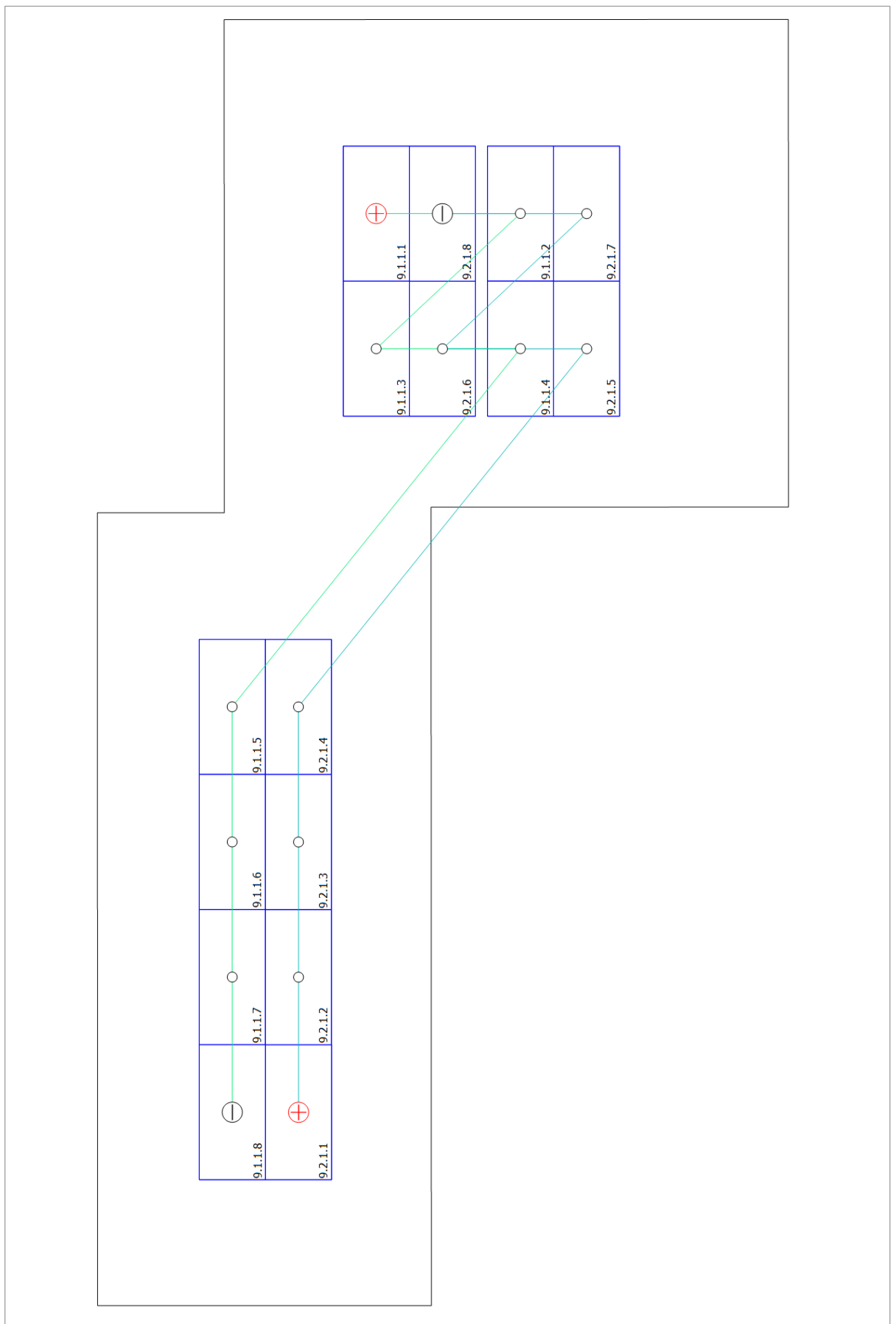


Figure: Arbitrary Building 07 - Mounting Surface West

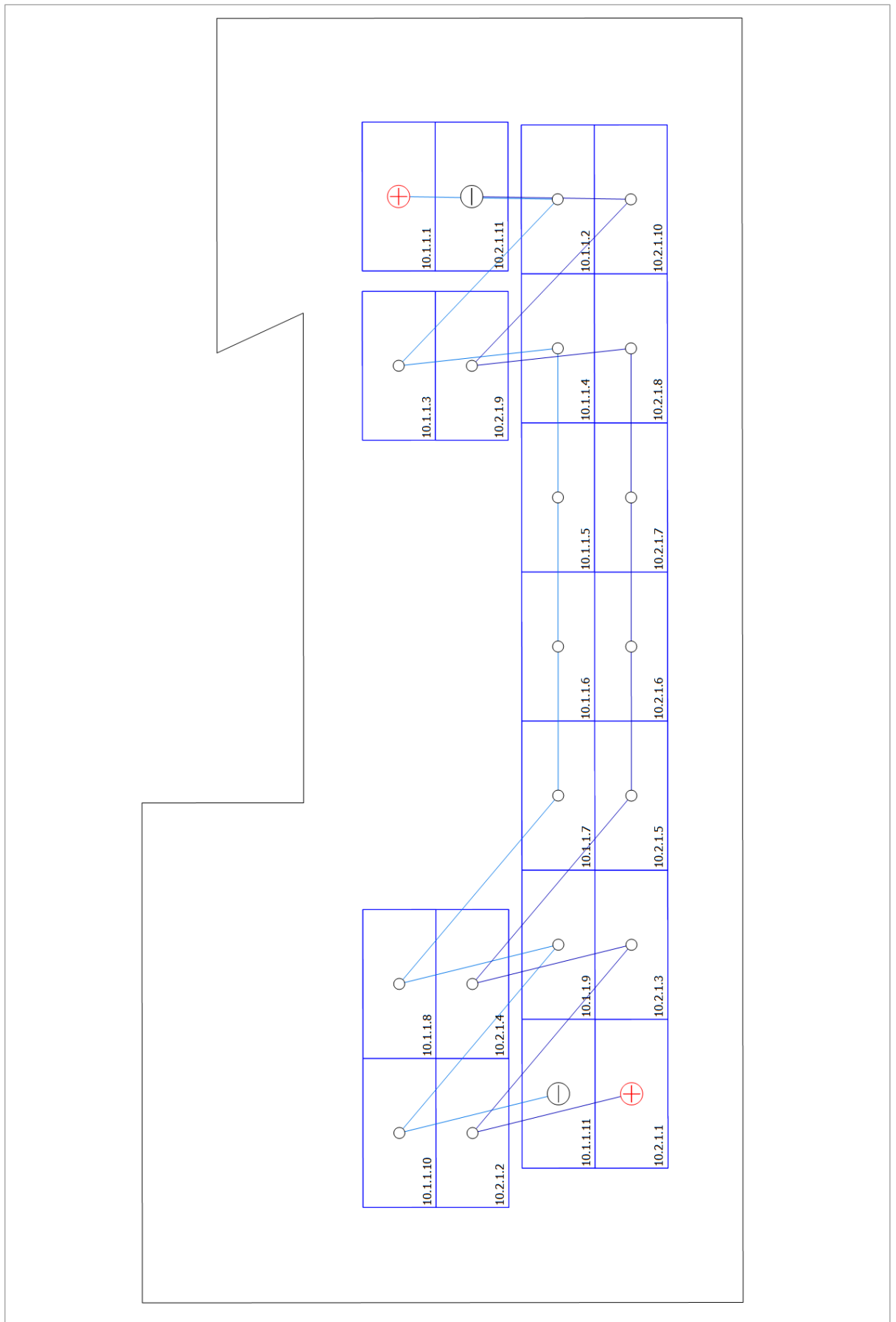


Figure: Arbitrary Building 06 - Mounting Surface West

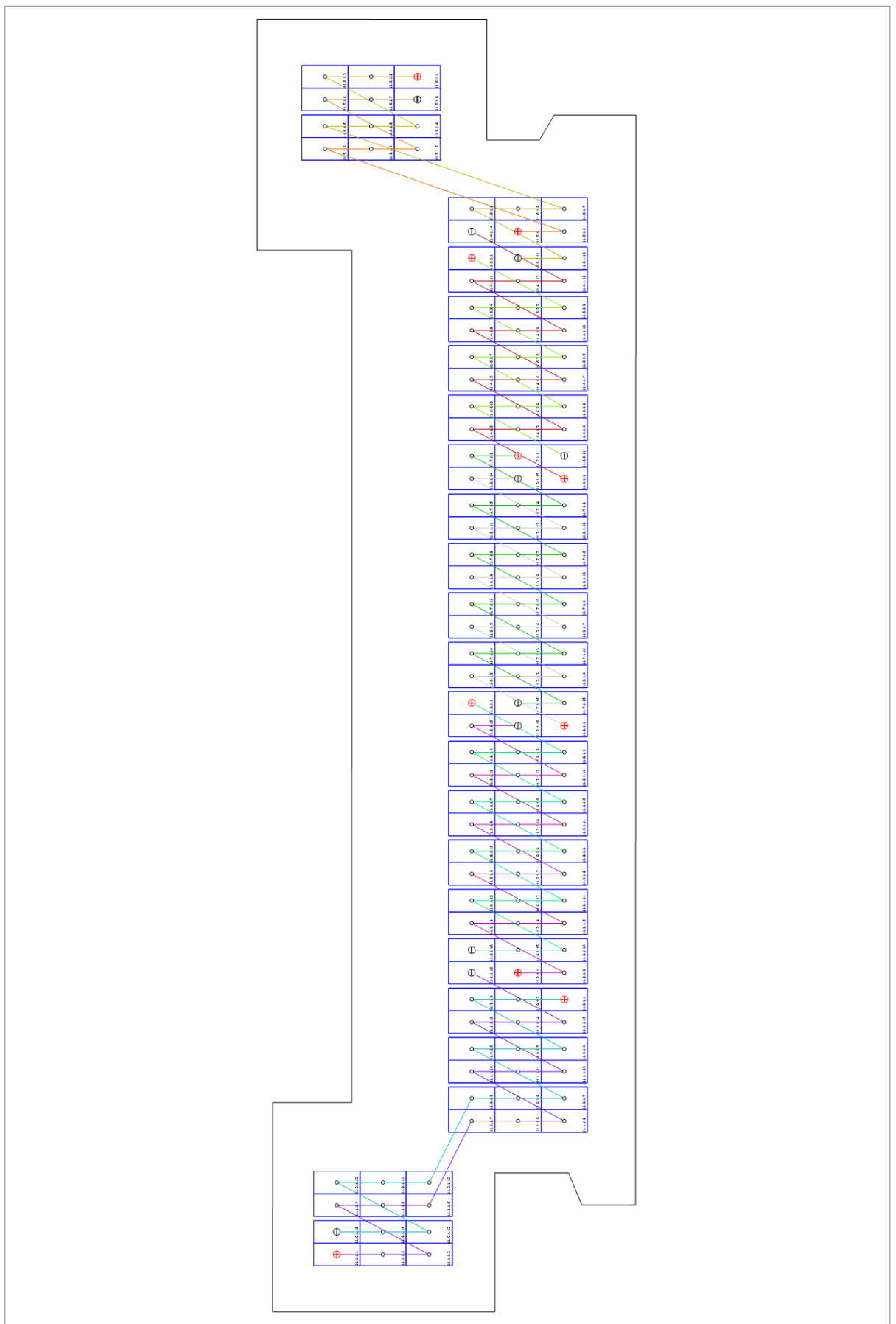


Figure: Arbitrary Building 05 - Mounting Surface North



Figure: Building 04 - Roof Area South

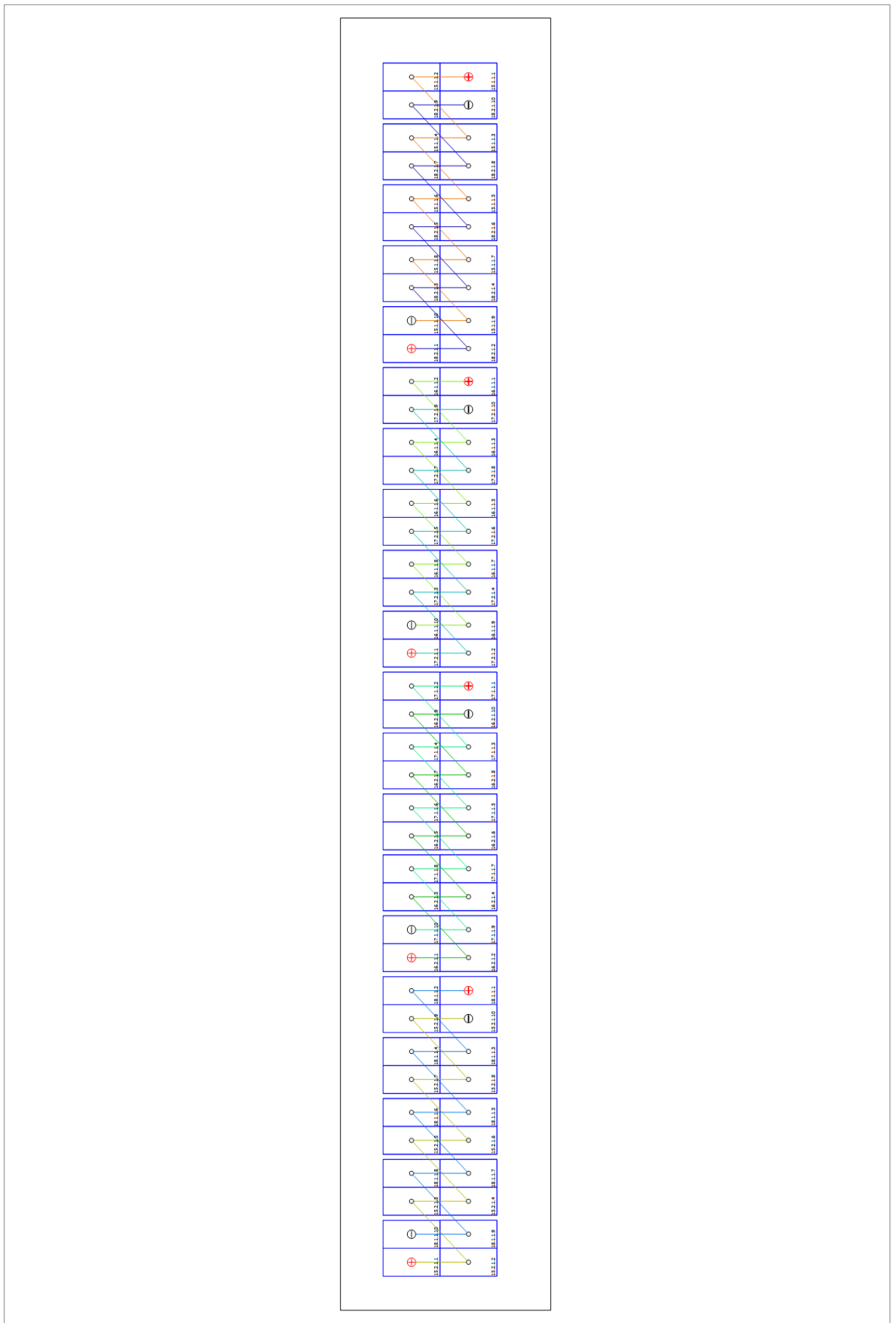


Figure: Building 15 - Roof Area South

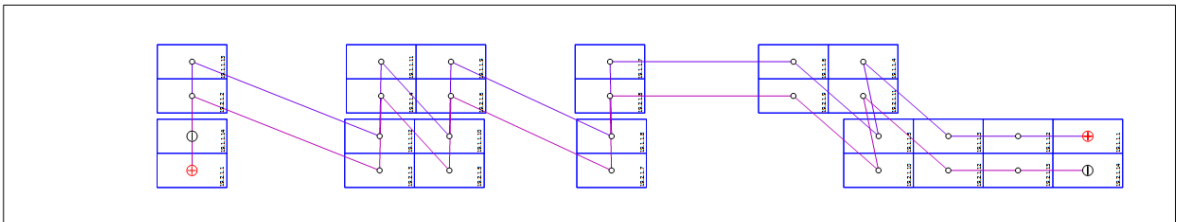
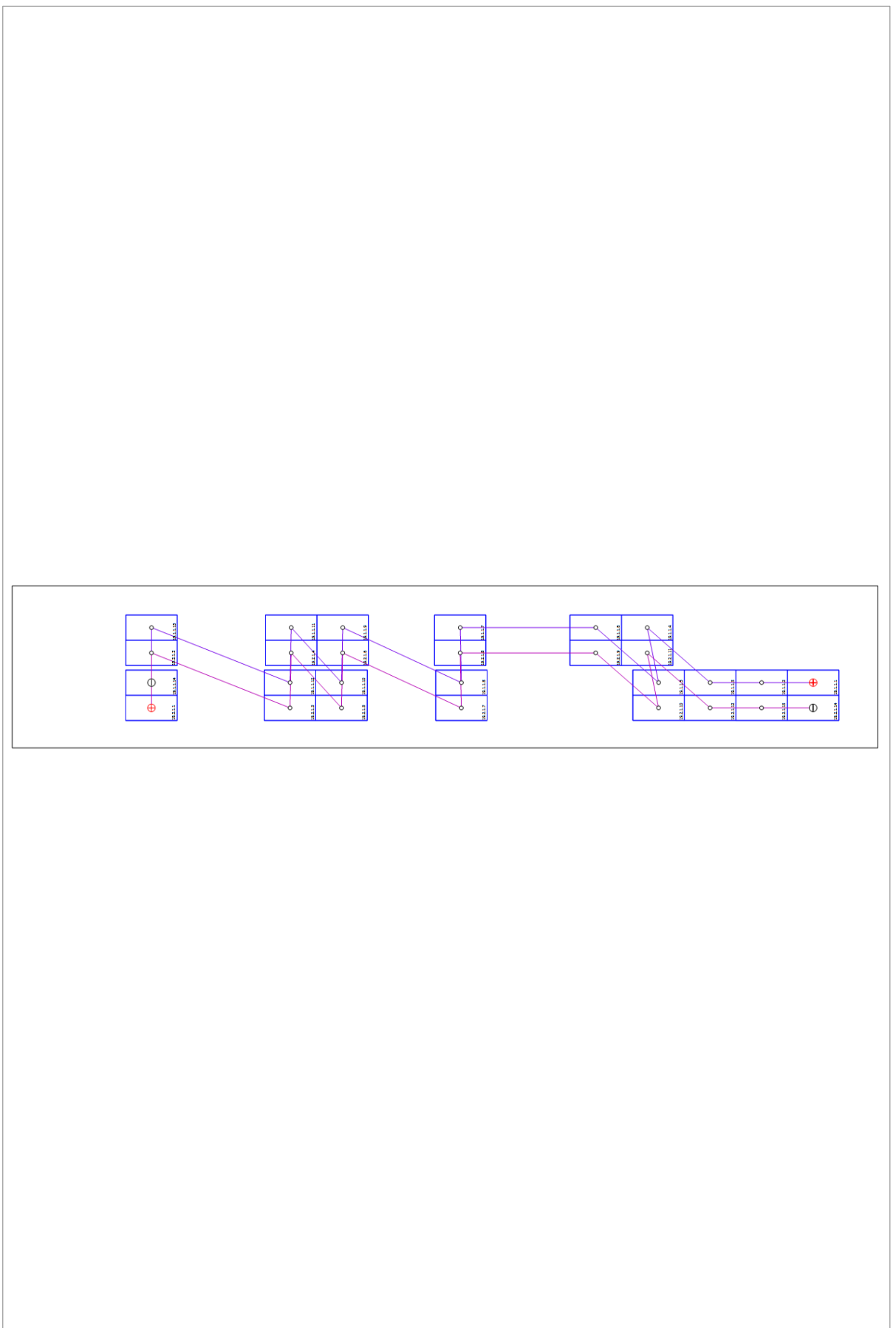


Figure: Building 17 - Roof Area South

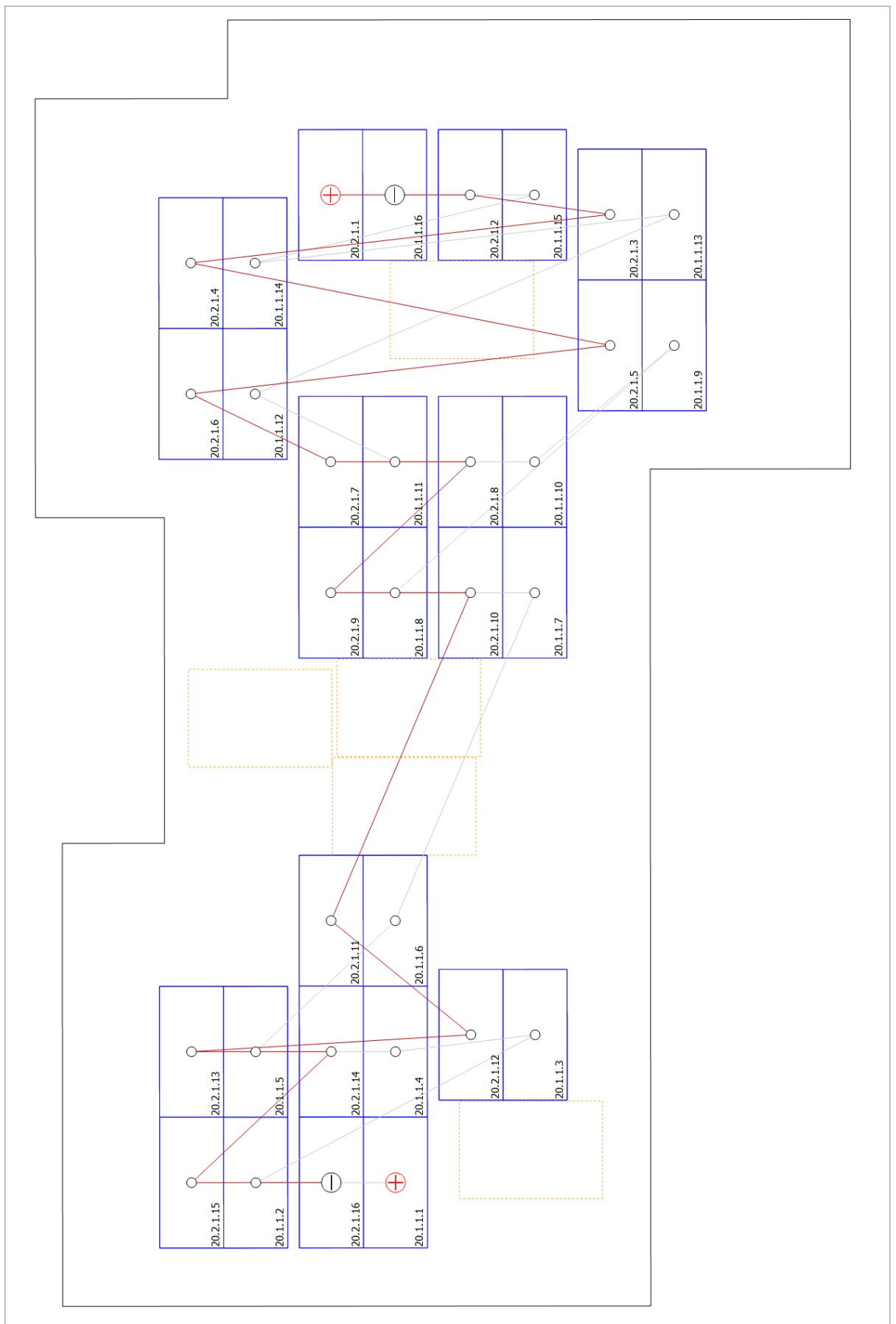


Figure: Arbitrary Building 10 - Mounting Surface East

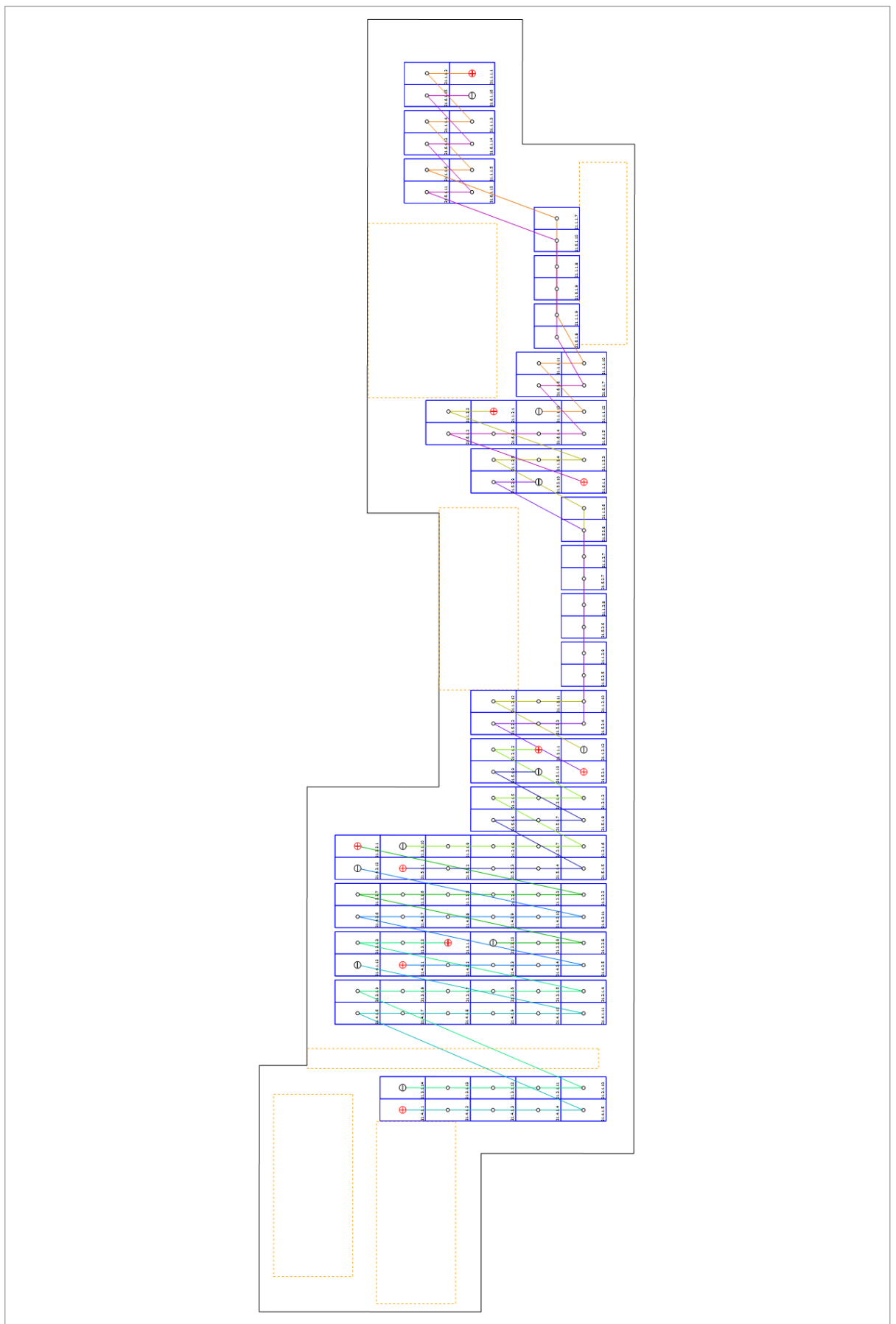


Figure: Arbitrary Building 12 - Mounting Surface South



Figure: Arbitrary Building 13 - Mounting Surface South

Parts list

Parts list

#	Type	Item number	Manufacturer	Name	Quantity	Unit
1	PV Module		DMEGC	LR5-72 HTH 575 M	1508	Piece
2	Inverter		Ginlong (Solis)	S5-GC50K	3	Piece
3	Inverter		Ginlong (Solis)	S5-GC30K	2	Piece
4	Inverter		Ginlong (Solis)	S5-GC60K	4	Piece
5	Inverter		Ginlong (Solis)	S5-GR3P25K	1	Piece
6	Inverter		Ginlong (Solis)	S5-GC80K	2	Piece
7	Inverter		Ginlong (Solis)	S5-GR3P10K	7	Piece
8	Inverter		Ginlong (Solis)	S5-GR3P15K	5	Piece

Screenshots, 3D Design Environment



Figure: Screenshot01



Figure: Screenshot02

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Figure: Screenshot03



Figure: Screenshot04



Figure: Screenshot05

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Figure: Screenshot06



Figure: Screenshot07



Figure: Screenshot08

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Figure: Screenshot09



Figure: Screenshot10