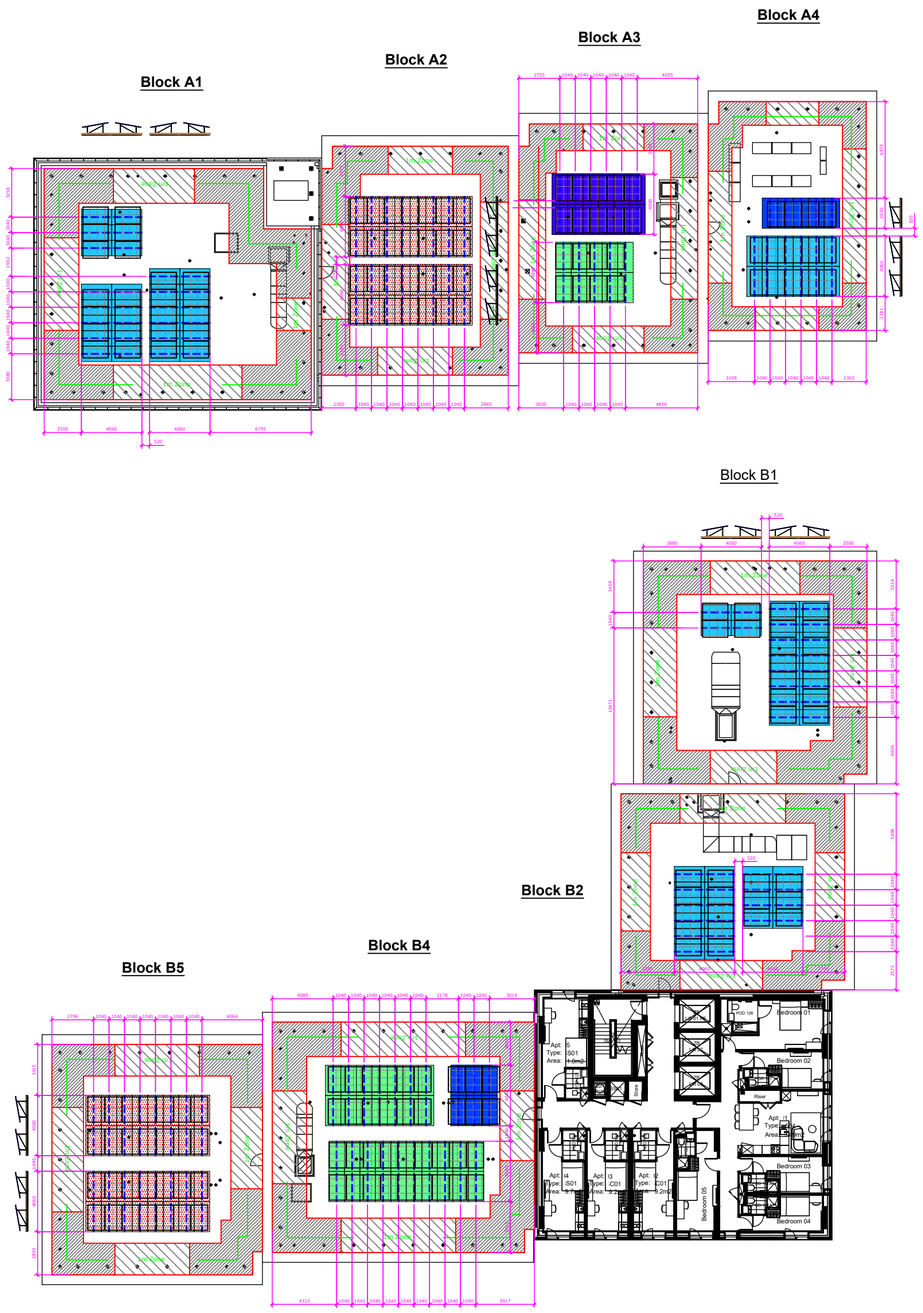
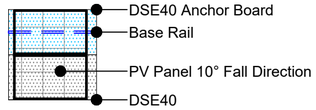



- Wind loading calculations have been carried out based on site specific data and the building dimensions. Where modules have not been located within **Zones F & G** this is due to the project specific wind loading calculations.
- The **Green Line** identifies a **1000mm** boundary from the inside of the roof perimeter. This is the minimum distance BauderSOLAR PV panels should be installed from the roof edge.
- The **Magenta Line (where illustrated)** identifies an indicative mansafe system, or handrail, **1800mm** from the roof perimeter. Should this not be required please consult Bauder Ltd.
- Minimum **1000mm** has been allowed for around all roof access hatches, AOV's, upstands, mechanical plant etc. for maintenance purposes/access.
- * Numerous site specific factors can influence inverter specification. Inverters and optimisers specified are for guidance purposes only. MCS Accredited PV Contractor to confirm exact specification prior to installation.

**Bauder Solar G Light - JA Solar module**

Key:




= 1M Perimeter Zone

| Design Information | |
|---|---|
| Short Mounting Rails: | 0 |
| Long Mounting Rails: | 103 |
| Module Rails: | 120 |
| Type of Optimizer: | TBC By Installing Contractor. |
| Area of PV Panels: | 355.446m2 |
| **General Information** | |
| Total power DC: | 75.53 kWp |
| BAUDER System type: | Bauder Solar G Light |
| Module type: | JAM54S31-415/MR (415wp) |
| Module amount: | 182 Units |
| Azimuth: | Various |

All Dimensions, positions of Rooflights and Outlets/SVP's/mansafe systems are to be checked on site **by the installing contractor** for clashes BEFORE the PV design is ordered.

| Rev | Date | Description | Drawn By |
|---|---|---|---|
| 7 | 04.03.24 | Panels revised to JAM54S31 415wp. | DAM |
| 6 | 07.11.23 | Panels relocated to avoid clashes. | DAM |
| 5 | 30.10.23 | Panel locations altered. | DAM |
| 3 | 31.05.23 | Inverter spec changed. | DAM |
| 1 | 09.09.22 | Panel type changed to Solarwatt. | DAM |
| 1 | 21.09.22 | PV target reduced. | DAM |

BAUDER

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**Installing contractor is responsible for checking this scheme against architects drawings/site requirements and to advise Bauder immediately of any discrepancies. Orders placed against this drawing reference assume approval of this scheme. Any materials required over and above the quantities given, will be charged accordingly.**

Contract Name:
First Street South
Manchester, M15 6JG

# Bauder Solar G Light PV Layout Plan

| | | | |
|---|---|---|---|
| Contract No: | B193311 | | |
| Drawing No: | B193311PV - 20210909 | | |
| Designed to Drawing No: | 10266-Z0-A-G200-PL-RF-001 | | |
| Scale: | N.T.S | | |
| Drawn By: | D.Mitchell | Date: | 09.09.21 |

| Roof Area Name: | Roof Height: | Membrane Type: | No. Panels: | No. Mounts: | No. Weld Sleeves: | Inverter Type 1: See Note Above * | Inverter Type 2: |
|---|---|---|---|---|---|---|---|
| Roof Area A1 | 69.70m | BTGRS | 24 | 28 | N/A | Solaredge (TBC) | - |
| Roof Area A2 | 55.00m | BTGRS | 28 | 32 | N/A | Solaredge (TBC) | - |
| Roof Area A3 | 43.20m | BTGRS | 18 | 22 | N/A | Solaredge (TBC) | - |
| Roof Area A4 | 34.50m | BTGRS | 14 | 17 | N/A | Solaredge (TBC) | - |
| Roof Area B1 | 57.90m | BTGRS | 18 | 20 | N/A | Solaredge (TBC) | - |
| Roof Area B2 | 69.60m | BTGRS | 16 | 20 | N/A | Solaredge (TBC) | - |
| Roof Area B4 | 69.60m | BTGRS | 36 | 40 | N/A | Solaredge (TBC) | - |
| Roof Area B5 | 57.90m | BTGRS | 28 | 32 | N/A | Solaredge (TBC) | - |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Total Part Numbers: | - | BTGRS | 182 | 211 | N/A | | |

**Important notice:** Modules installed in zones F & G will be subject to significantly higher windloads than zone H. Where possible, all modules should be located minimum 1m from any roof plant, upstands or roof openings. Please contact Bauders technical office before re-locating any modules

Required Ballast In Kg/m²:

= 100 = 130
= 110 = 160
= 120 = 180

Windzones Key:

= Windzone F
= Windzone G
= Windzone H

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