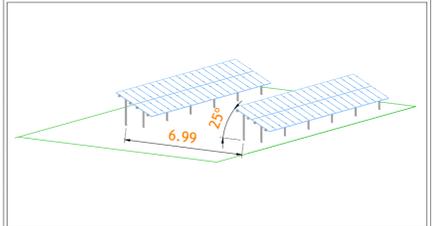


09/07/2025  
Ashfield District Council

<b>LOCATION:</b>	
Latitude	- 53.1238°
Longitude	- 1.2292°
Altitude	- 146m
<b>PLOT:</b>	
Fence length	- 1 706 m
Plot area	- 7. 720 ha
<b>PV PLANT SPECIFICATION:</b>	
PV modules type	- JINKO SOLAR JK650N-78HL-4-BDV-650WP
PV module dimensions	- 2465x1134x30 mm
PV modules number	- 15 432 pcs.
PV modules per string	- 24 pcs.
Strings number	- 643 pcs.
Inverter type	- HUAWEI SUN2000-330KTL
Inverters number	- 28 pcs.
Structure type	- 2x12 PV structures portrait - 57 pcs. - 2x24 PV structures portrait - 293 pcs.
Tilt	- 25°
Pitch	- 6.999 m
<b>PV PLANT POWER:</b>	
Installed DC power	- 10 030.80 kWp (DC)
Installed AC power	- 8 400.00 kVA (AC)
DC/AC ratio	- 1.19

<b>LEGEND</b>	
	Fence
	PV area
	Underground power line
	Green hedge
	Internal road
	Transformer station
	PV structure 2x24P @25°
	PV structure 2x12P @25°
	DNO and customer substation (11kV)
	Store room
	Access gate
	CCTV poles



Project: Hamilton Solar Farm			
Drawing name: General Layout			
2115_02			REN
R 02	Topography and Tree Constraints Added		04/2025
R 01	First Issue		02/2025
Revision	Description	Date	
Discipline: Electrical	Phase: Preliminary Design	Format: A1	Scale: 1:1250
			Sheet No: 01/01

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