

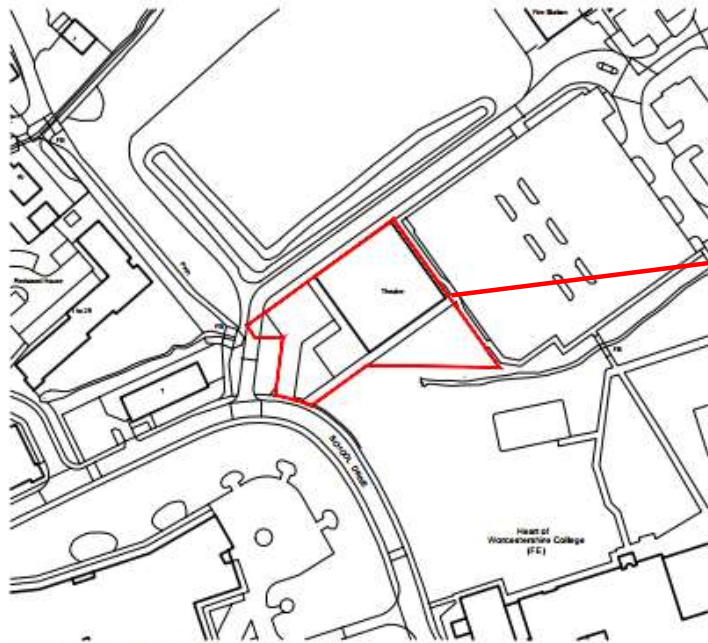
21/01835/PRIOR

The Artrix, School Drive  
Bromsgrove, Worcestershire, B60 1AX

Installation of a solar Photovoltaic System to existing  
roof of existing theatre. 138No. Vertex S  
Monocrystalline Modules (55kWp)

Recommendation:  
Prior Approval Not Required.

# Site Location



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LOCATION PLAN  
1:1250

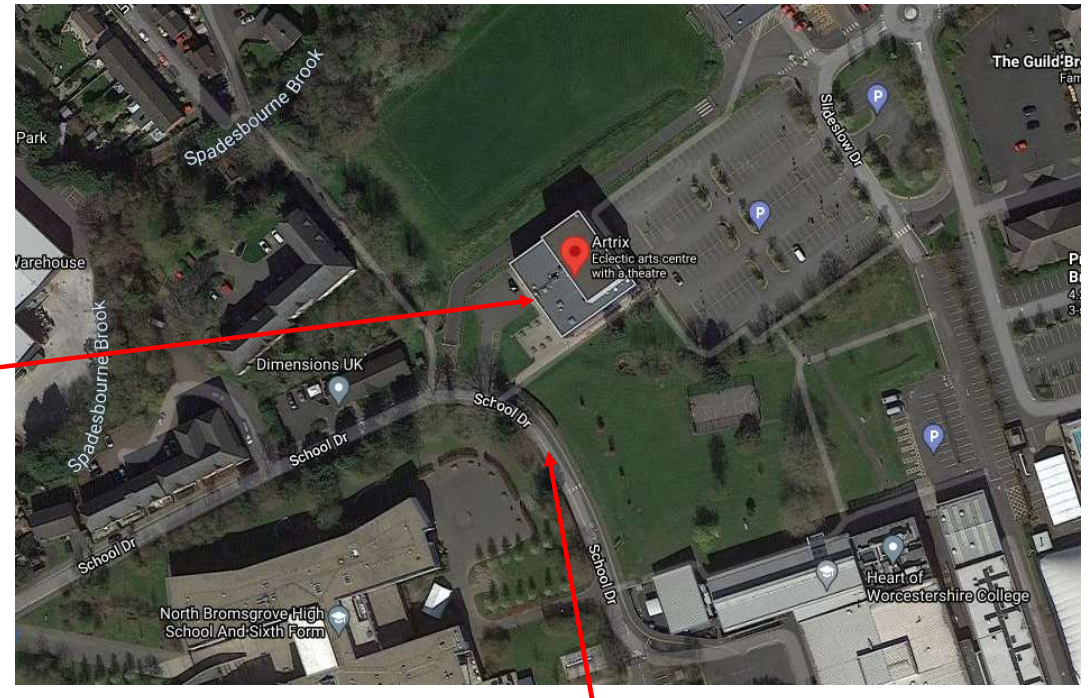
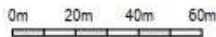
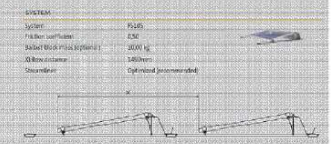



Photo from google street view looking north towards the School Drive access to The Artrix Centre

# ROOF PV Array (Roof Plan)


**FIXING DETAILS**



**TYPICAL FIXING ARRANGEMENT**



**PV PANEL SELECTED**



**System datasheet**  
FS10-S / FS18-S

System	Industrial PV mounting system
Components	Galvalume, ball connection, balling or stainless steel, ball track, high grade, wind deflection design
System warranty	25 years
Application area	Blue roof or industrial, agricultural and residential buildings
Roof loading	Maximum working 4.0 g/m²
Roof span	max. 12 m (with additional bracing)
System properties	
System orientation	North
Module tilt	0° to 30°
Surface weight system	12 kg/m² (FS10-S) / 13 kg/m² (FS18-S) plus balling (single row/2x)
Weight PV modules (not balling system)	34 kg/m² (FS10-S) / 34 kg/m² (FS18-S) plus balling (single row/2x)
Working height	2.0 to 5.0 m (depending on mounting system configuration)
Material	Aluminium, stainless steel, steel galvanized steel, hot-dip galvanized, carbon galvanized
Minimum edge distance	50 mm
Drilling depth	30 to 40 mm
PV Modules	
Type	Suitable for standard 60 cell panels. Approval for special sizes depending to be obtained.
Module width	1075, 1660, 2040 mm (FS10-S, FS18-S, 2x)
Orientation	Horizontal/vertical type
Classification	
Service class	Installation in urban areas only by technician (consultation)
Service	
Support and hold size	Provided by Renusol

System	Ground cell #	Inter-connecting system (mm)	Shading angle
FS10-S	1000mm	3.000	13.0°
FS18-S	1000mm	3.700	13.0°
FS24-S	1000mm	3.800	13.0°
FS30-S	1000mm	4.200	13.0°



**KEY**



1.754  
1.096

**ZONE ALLOCATED PV PANELS**  
(TOTAL 138No)  
EACH PANEL  
1.754m x 1.096m x 0.030m TALL



PROPOSED ARRAY ON BUILDING PLAN

# Site Photos



Photo from google street view looking south west towards the North east elevation of The Artrix Centre from Slideslow Drive (main car park)



Photo from google street view looking north towards the School Drive access to the Artrix Centre