

# A zero carbon Battle by 2030?

Step 1: Community Solar installations

A feasibility study application to the Rural  
Community Energy Fund ( Feb 2021)

[Richard@energisesussexcoast.co.uk](mailto:Richard@energisesussexcoast.co.uk)

[www.energisesussexcoast.co.uk](http://www.energisesussexcoast.co.uk)



Community energy co-operatives have funded free solar on 84 schools and other community and commercial buildings in the South East through community shares



Glenleigh Park Academy School, Bexhill (150 KW in 2015)



Number of community energy schools

84

Number of pupils reached\*

60,363

Total power generation (Kwh)\*

4142

Estimated tonnes carbon saved/yr\*

1265

\*through solar schools only





# Battle Town proposed solar sites 1-6

5. Battle Recreation  
Ground : Sports Pavilion

6. Battle Recreation  
Ground : Guides Hut



3. Market Sq. Buildings

2. Saxonwood Care Home

1. Battle & Langton C of E  
Primary School

4. Claverham Community  
College



# Surrounding Solar sites 7-9

Further sites  
could include  
the British  
Gypsum factory  
in Mountfield,  
buildings near  
Battle Station  
and other farms  
and businesses

7. Ashburnham Place

Battle town



9. South East Water  
Ninfield

8. National Grid, Catsfield



# Solar sites - 1

NAME : Battle and Langton C of E primary school

NO.OF PANELS : 207

POWER CAPACITY : 60.03 kW

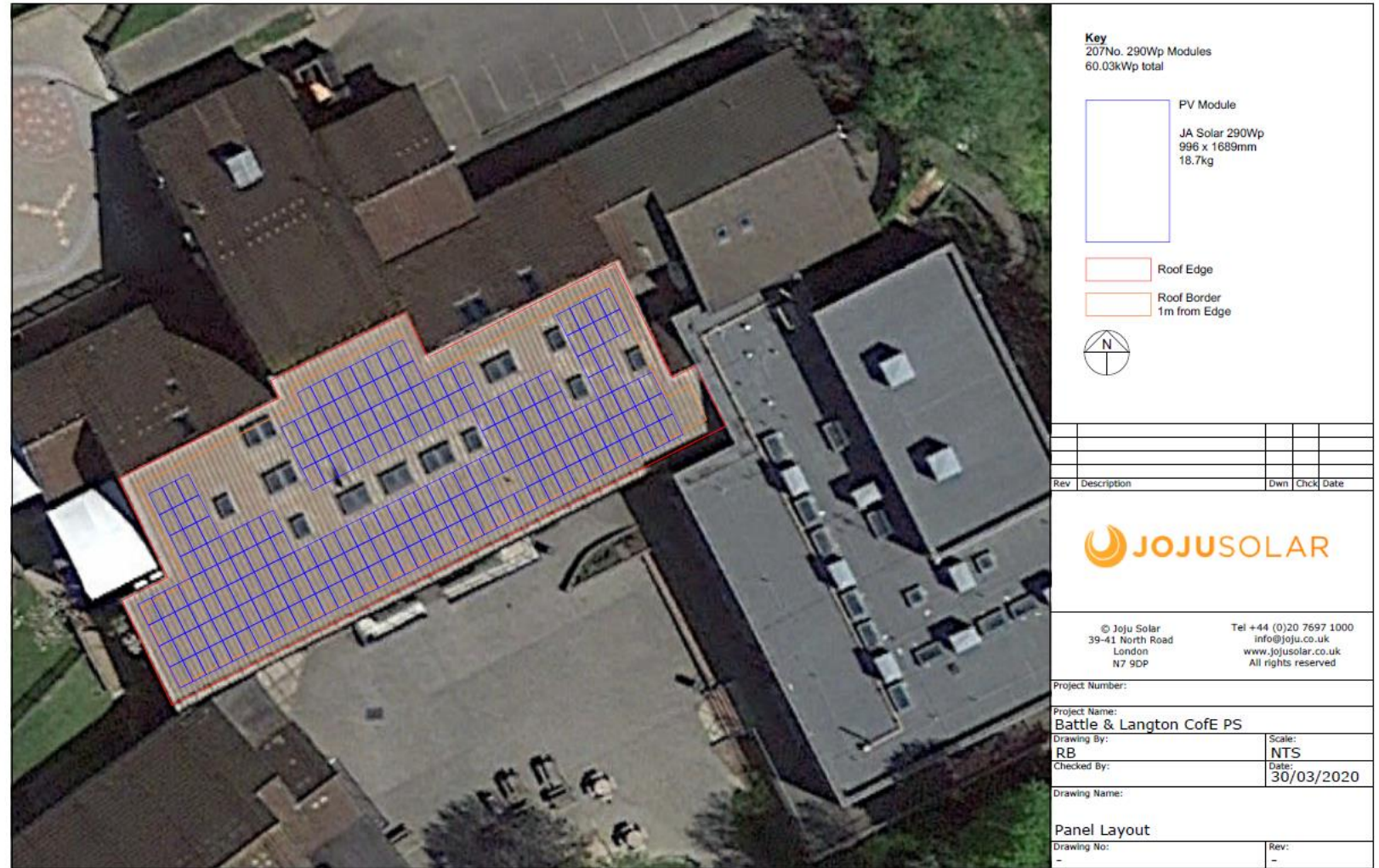
OUTPUT /YEAR : 64172 kWh

COST : £ 48541.71

FUNDERS:

A) COMMUNITY FUNDER :  
Energise South

B) GRANT FUNDER : Salix



# Solar sites - 2

NAME : Saxonwood Care Home

NO.OF PANELS : 74

POWER CAPACITY : 21.46 kW

OUTPUT /YEAR : 21889 kWh

COST : £ 20498

FUNDERS:

A) COMMUNITY FUNDER :

Energise South

B) GRANT FUNDER : Salix





# Solar sites -3

NAME : Market Square Building

NO.OF PANELS : 93

POWER CAPACITY : 26.97 kW

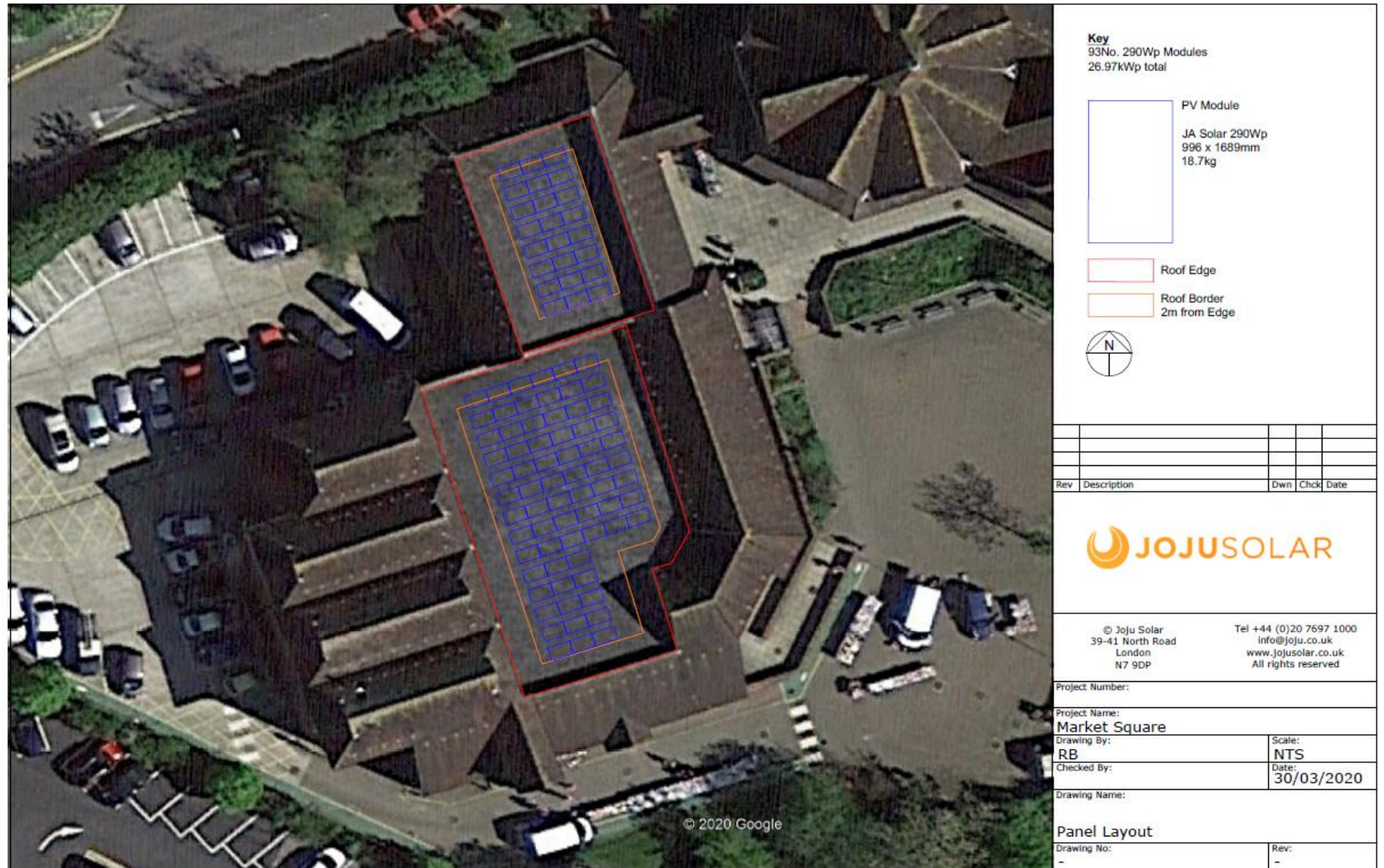
OUTPUT /YEAR : 27482 kWh

COST : £ 22501

FUNDERS:

A) COMMUNITY FUNDER :  
Energise South

B) GRANT FUNDER : Salix





# Solar sites -4

NAME : Claverham Community College

NO.OF PANELS : 359

POWER CAPACITY : 104 kW

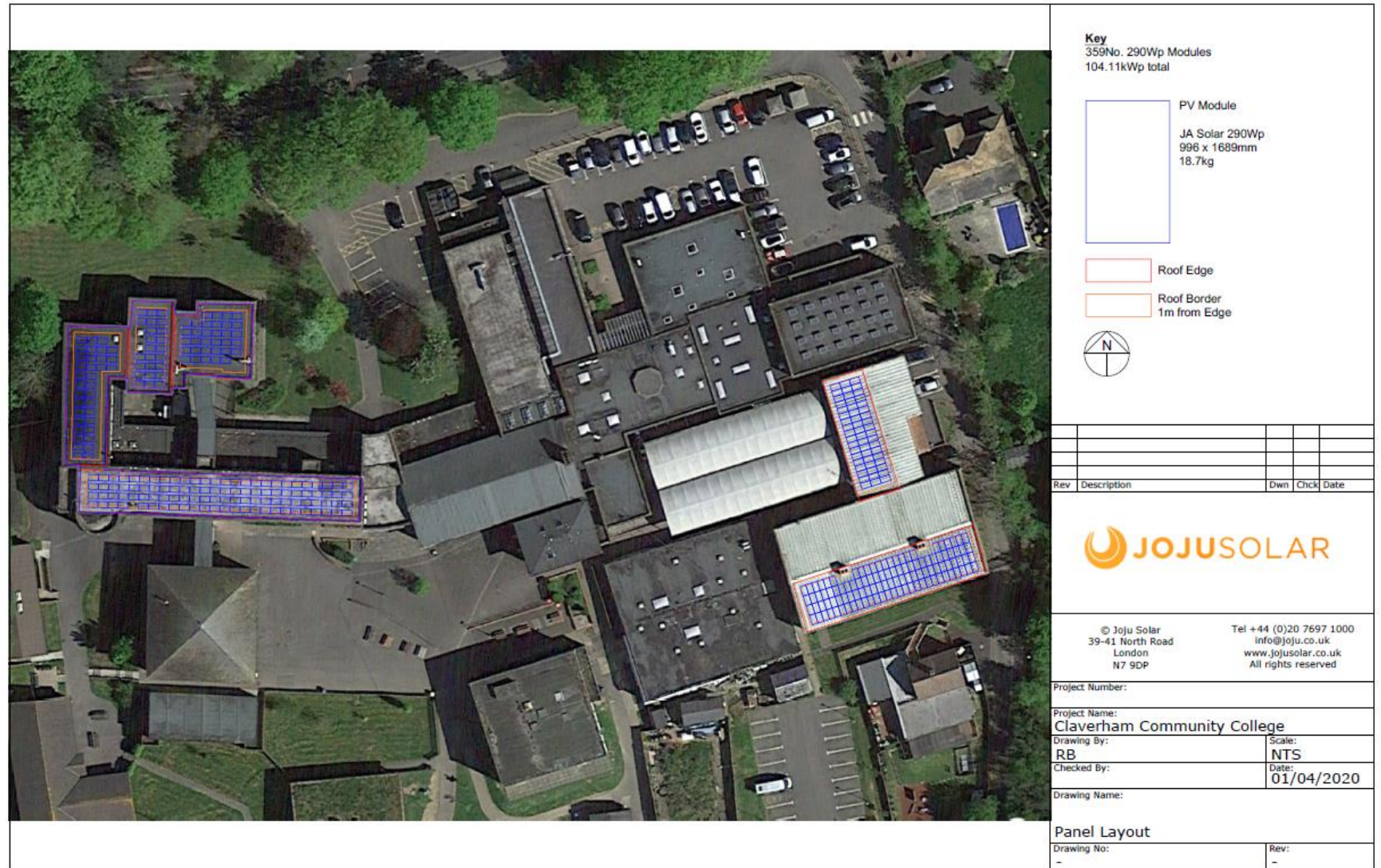
OUTPUT /YEAR : 103996 kWh

COST : £ 81646

FUNDERS:

A) COMMUNITY FUNDER :  
Energise South

B) GRANT FUNDER : Salix





# Solar sites -5

NAME : Battle Recreation  
Ground – Sports Pavilion

NO.OF PANELS : 60

POWER CAPACITY : 17.4 kW

OUTPUT /YEAR : 15956 kWh

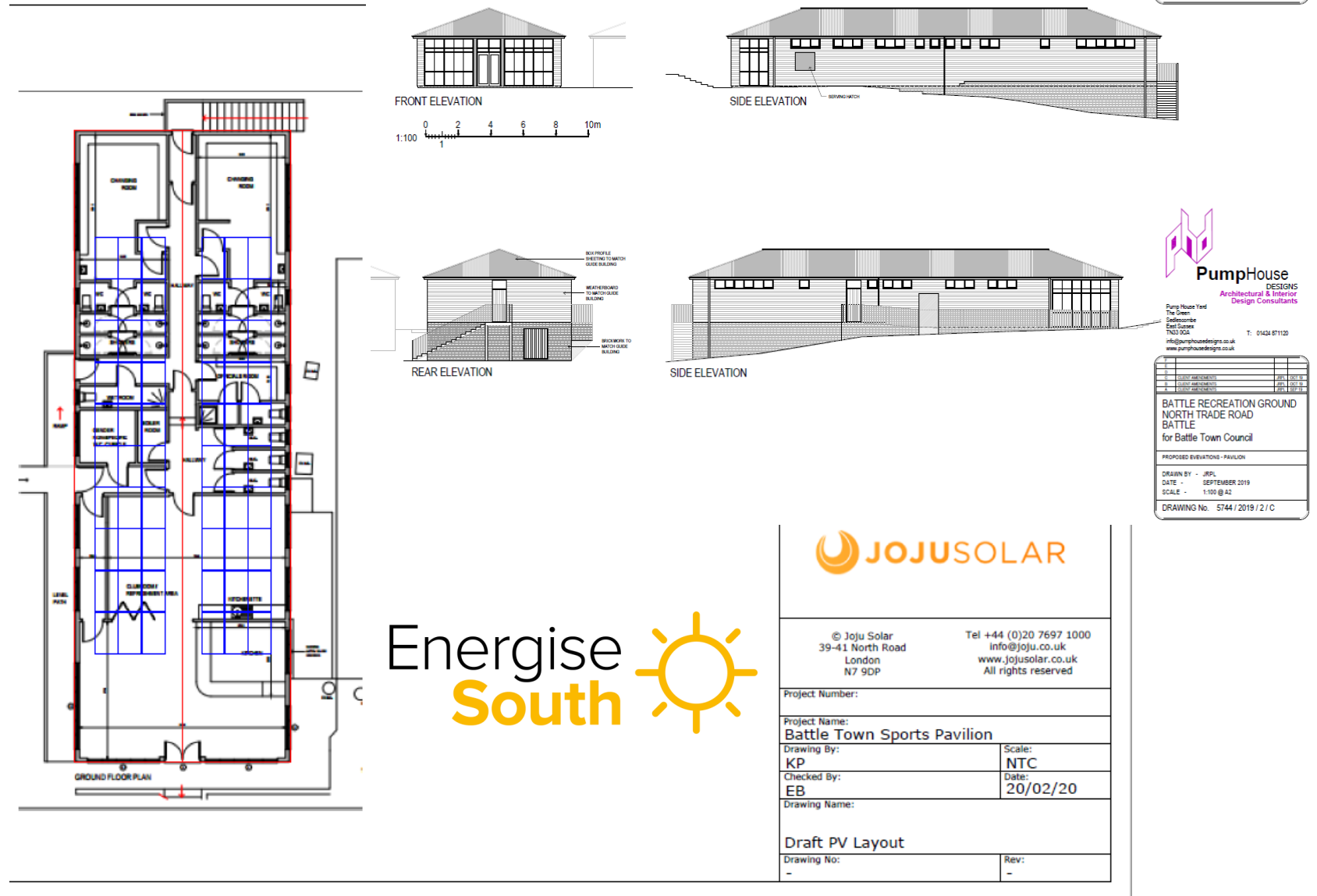
COST : £ 12,293

FUNDERS:

A) COMMUNITY FUNDER :

Energise South

B) GRANT FUNDER : Salix





# Solar sites -6

NAME : Battle Recreation  
Ground – Guides Hut

NO.OF PANELS : 24

POWER CAPACITY : 6.96 kW

OUTPUT /YEAR : 6489 kWh

COST : £ 8,365


FUNDERS:

A) COMMUNITY FUNDER :  
Energise South

B) GRANT FUNDER : Salix



Energise  
**South** 

Rev	Description		Own	Chk	Date
<div> JOJUSOLAR</div>					
© Joju Solar 39-41 North Road London N7 9DP			Tel +44 (0)20 7697 1000 info@joju.co.uk www.joju.co.uk All rights reserved		
Project Number:					
Project Name: Battle Town Guides Hut					
Drawing By: KP			Scale: NTC		
Checked By: EB			Date: 20/02/20		
Drawing Name:					
Draft PV Layout					
Drawing No: -			Rev: -		



# Solar sites - 7

NAME : Ashburnham Place

NO.OF PANELS : 158

POWER CAPACITY : 45.82 kW

OUTPUT /YEAR : 45362 kWh

COST : £ 44,4423

FUNDERS:

A) COMMUNITY FUNDER :  
Energise South

B) GRANT FUNDER : Salix





# Solar sites - 8

NAME : National Grid, Ninfield

NO.OF PANELS : 170

POWER CAPACITY : 49.3 kW

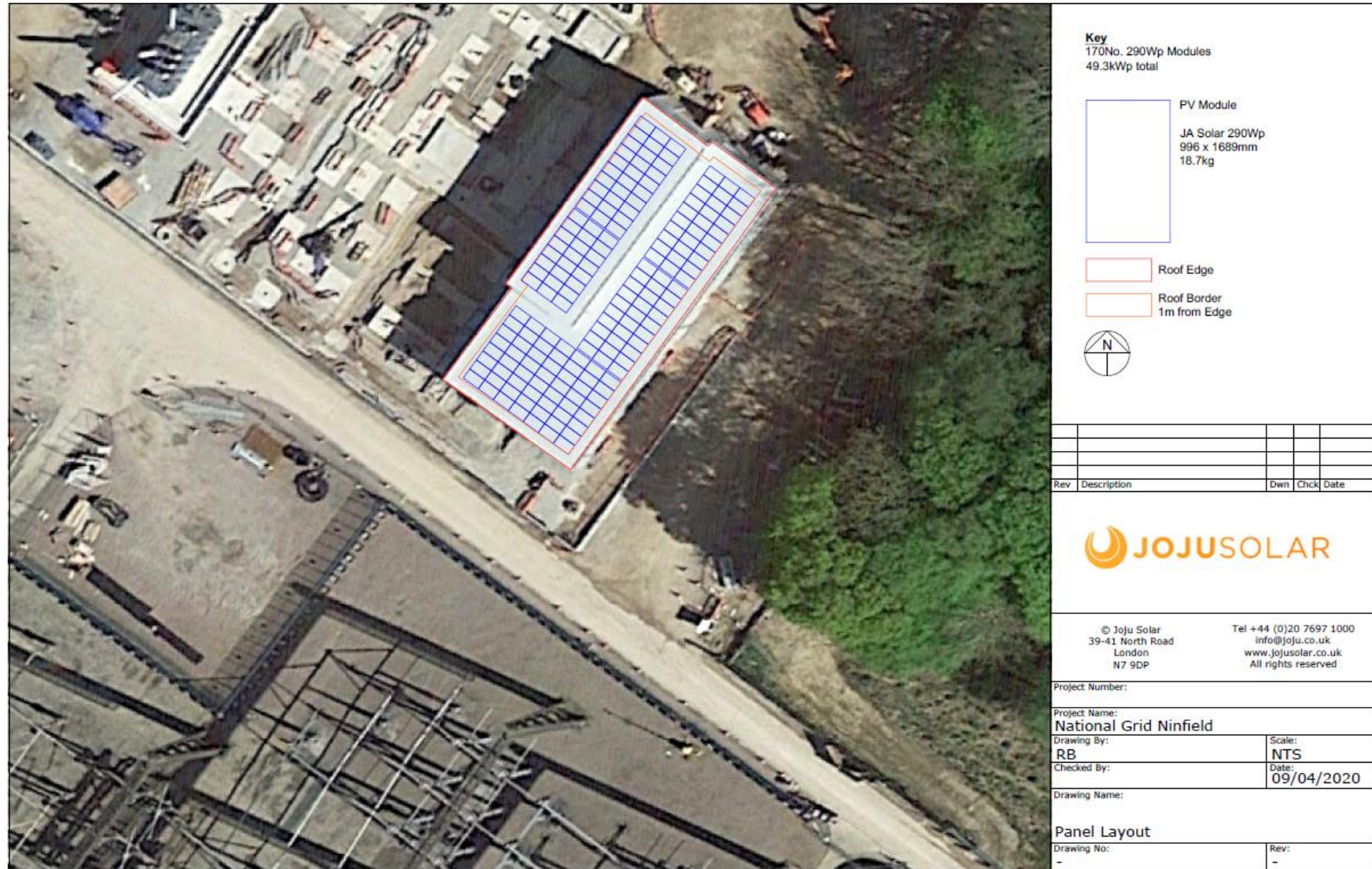
OUTPUT /YEAR : 48807 kWh

COST : £ 36,626

FUNDERS:

A) COMMUNITY FUNDER :  
Energise South

B) GRANT FUNDER : Salix





# Solar sites - 9

NAME : South East Water,  
Hazards Green

NO.OF PANELS : 254

POWER CAPACITY : 73.66 kW

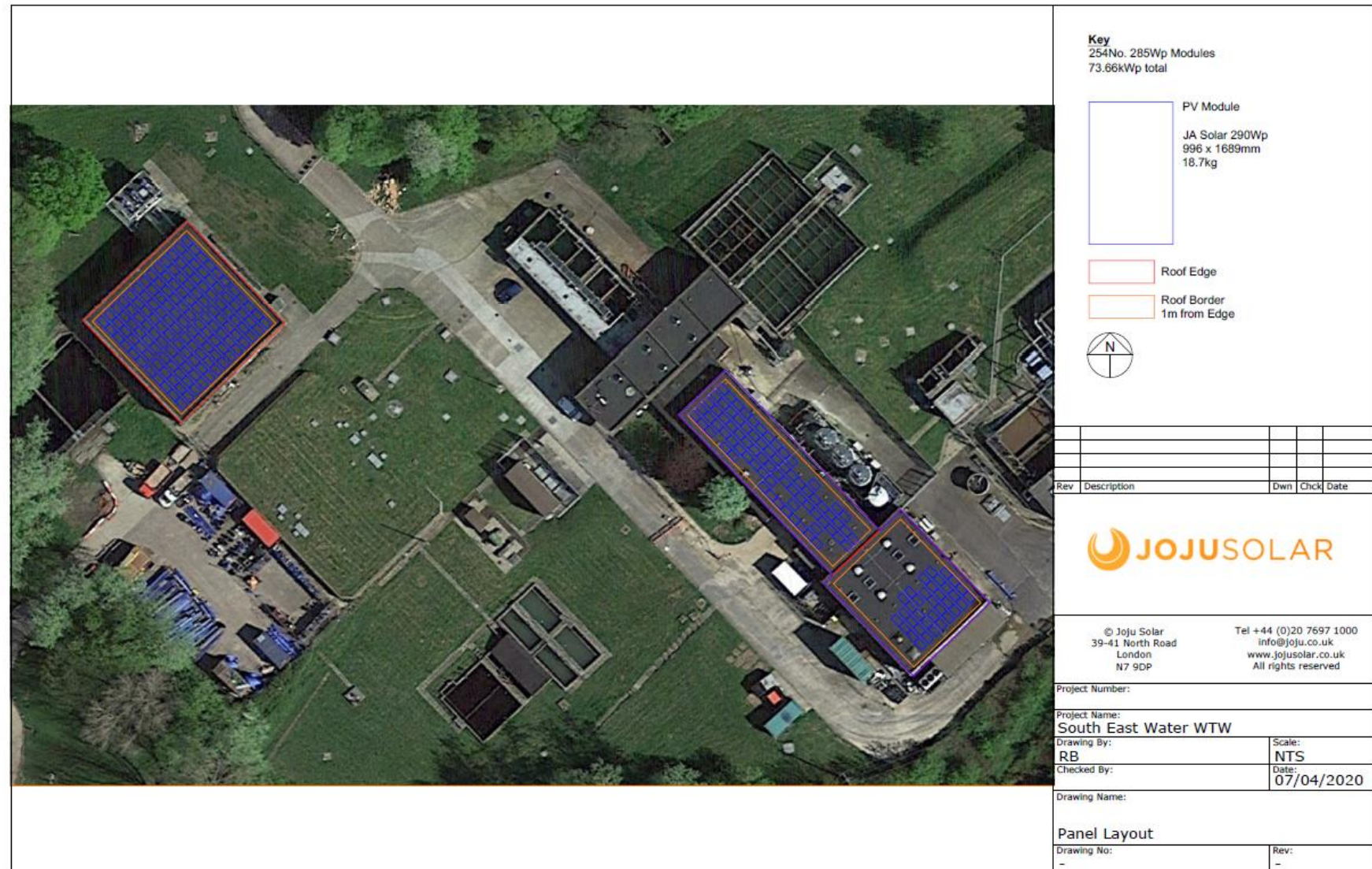
OUTPUT /YEAR : 73365 kWh

COST : £ 59,723

FUNDERS:

A) COMMUNITY FUNDER :  
Energise South

B) GRANT FUNDER : Salix





## PROJECTIONS

Cost Savings by 9 sites /25 yrs

£ 644,249

Total investment by co-op

£ 330,639

Total capacity in kW

406 KW

Total outputs in kWh/yr

407,528 /yr

Total outputs in kWh/ 25 yrs

10,188,200

(= power for 3396 homes)

Total carbon savings

2547 Tonnes



Value of community fund  
(surplus profit) £ 360, 621

The fund, generating an average of £ 14,000 a year could support the development of walking and cycling greenways connecting Battle and surrounding villages, or be used by the community in ways they decide