

PROPOSED ENERGY EFFICIENCY MEASURES & RENEWABLE ENERGY PROPOSALS

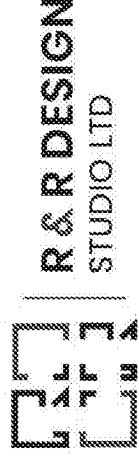
Prepared by R&R Design Studio on behalf of Annandale Developments to satisfy condition 3 of approved planning application BR/41/20/PL.

For the proposed redevelopment of:

86 Annandale Avenue,
Bognor Regis,
PO21 2EX

R&R Design Studio Ltd

6 Kipling House, Newlands Avenue,
Waterlooville, Hants. PO7 5FY

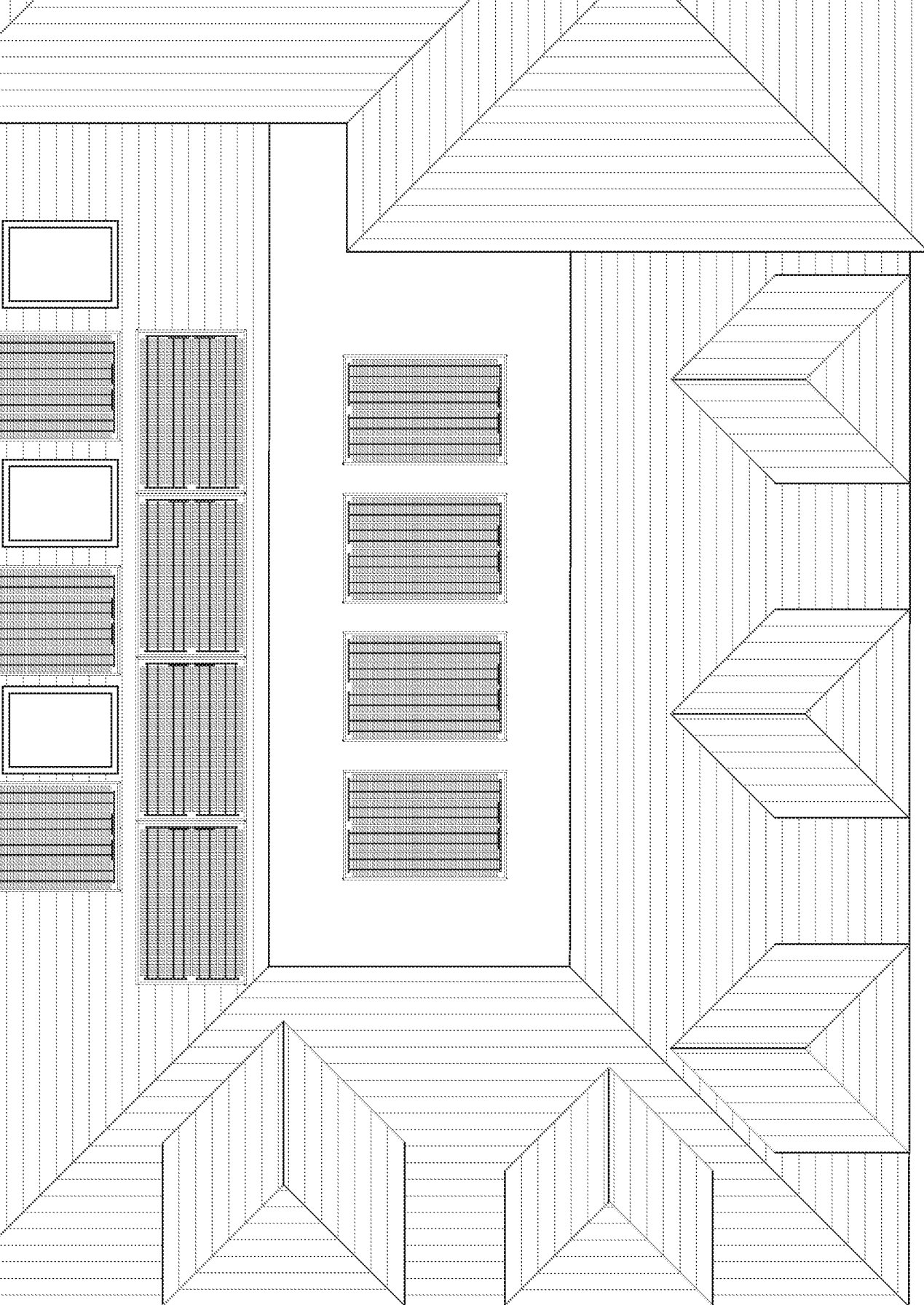


THERMAL UPGRADES TO EXISTING BUILDING

All existing thermal elements of the existing property including external walls, ground floor, roof and windows have been thermally upgraded to meet or exceed the requirements listed in the current Part L of the approved building regulations.

PROPOSED RENEWABLE ENERGY TECHNOLOGY

The proposal is to install a 6594Wh photovoltaic array on the existing roof (please see proposed roof plan below and appendix A for specialist design). All energy created will be utilised for space heating and general electrical requirements within the HMO.



APPENDIX A

(SPECIALIST PHOTOVOLTAIC SYSTEM DESIGN)



Company Number - 10633363 VAT number - 275 9754 45
DEEGE SOLAR, Unit 28 Thurrock Commercial Centre, Purfleet Industrial
Park, South Ockendon, Essex, RM15 4YA

CUSTOMER AND PROPERTY DETAILS

Name: TOMMY JONES
Address: 86 Annadale Avenue
County: Portsmouth Postcode: PO21 2EX
Mobile: annandaleddevelopments@outlook.com

Is your property Listed? Yes. No. Installations instructions Zone 3
Is your property in a conservation area? Pitched Roof Flat Roof Ground Mount

ARRAY CONFIGURATION

ARRAY	INSTALLED CAPACITY (kWp)	INCLINATION (from horizontal)	ORIENTATION (from south)	kWh/kWp (Kk from table)	Shade Factor (SF)
1	3.8	35	40	3701.20	1
2	2.28	35	40	2220.72	1
3	0.76	15	70	672.6	1

TOTAL (kWp x Kk x SF)

ESTIMATED ANNUAL ENERGY GENERATION AND INCOME CALCULATION

PRODUCTION		SOCIAL		
	X			
PRODUCTION		20% EXPORT		EXPORT RATE
6594.52	X	1318.904	X	5.5
PRODUCTION		USAGE		UNIT RATE
6594.52	X	5275.61	X	0.15

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