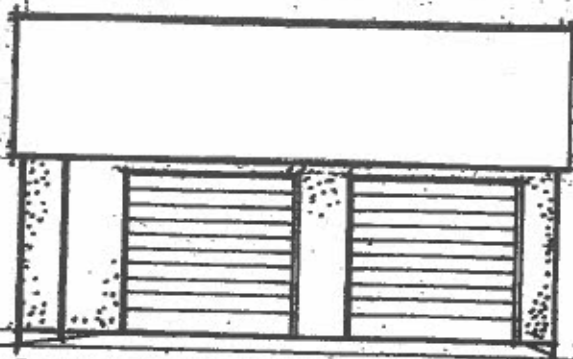


GARAGE 2 303 BARNESLEY ROAD S36 7JA

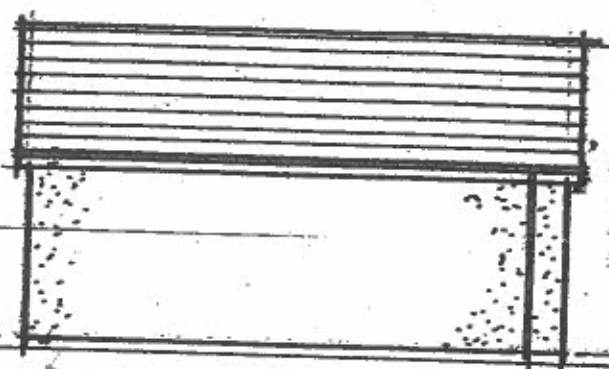


FRONT ELEVATION



SIDE ELEVATION

1:100

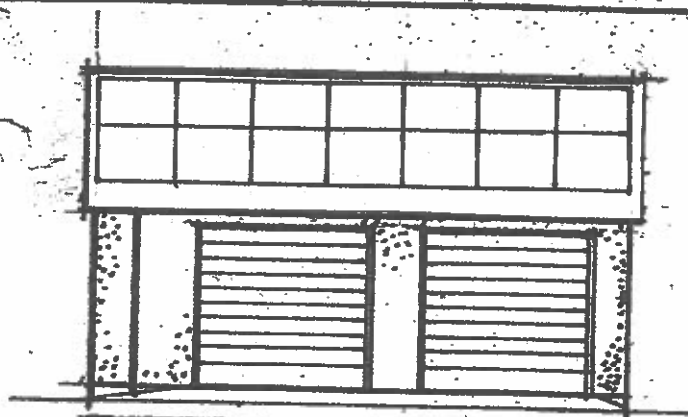


REAR ELEVATION

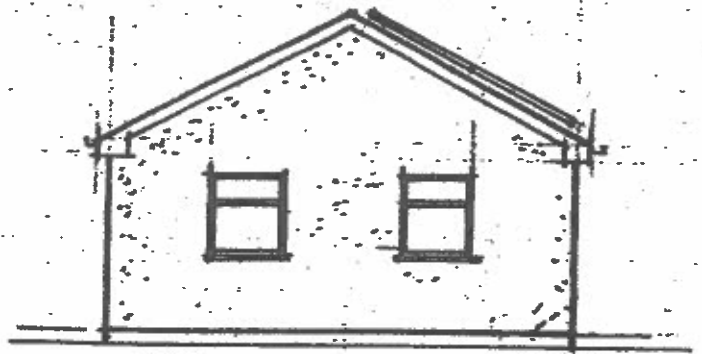


SIDE ELEVATION

PROPOSED SOLAR PANELS 303 BARNSTLEY RD. S36 7JA



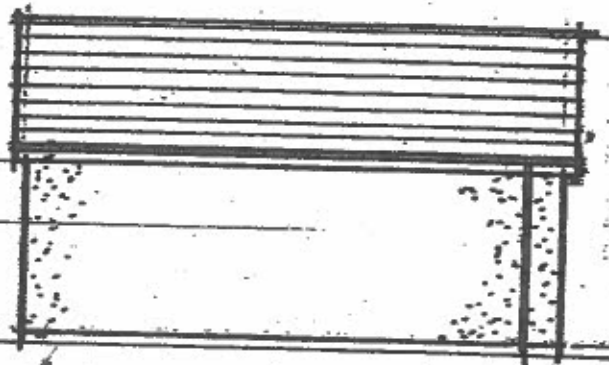
FRONT ELEVATION



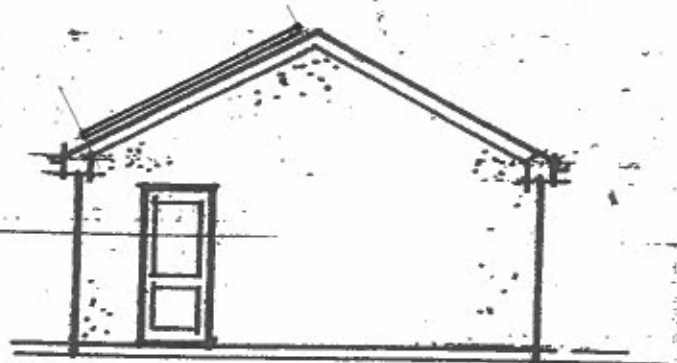
SIDE ELEVATION

PANELS ALL BLACK INCLUDING FRAMES TO MATCH CLOSELY TO THE DARK GREY DOUBLE ROMAN ROOF TILES
PANELS FITTED TO A PROMINENT S.S./ALUMINIUM FIXING SYSTEM
THE PANELS ARE 45MM DEEP WITH AN AIR GAP OF 100MM BELOW AND MEET REGS FOR P.V. PANELS.

100.



REAR ELEVATION



SIDE ELEVATION

MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline 156mm x 156mm square, 6 x 10 pieces in series
Dimension	Length: 1640mm (64.6 inch)
	Width: 992mm (39.1 inch)
	Height: 45mm (1.8 inch)
Weight	20kg (44.1lbs)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	0.90m wire (4mm ²)
Diodes	6 pieces Schottky by-pass diodes
Junction Box	1781 stu e

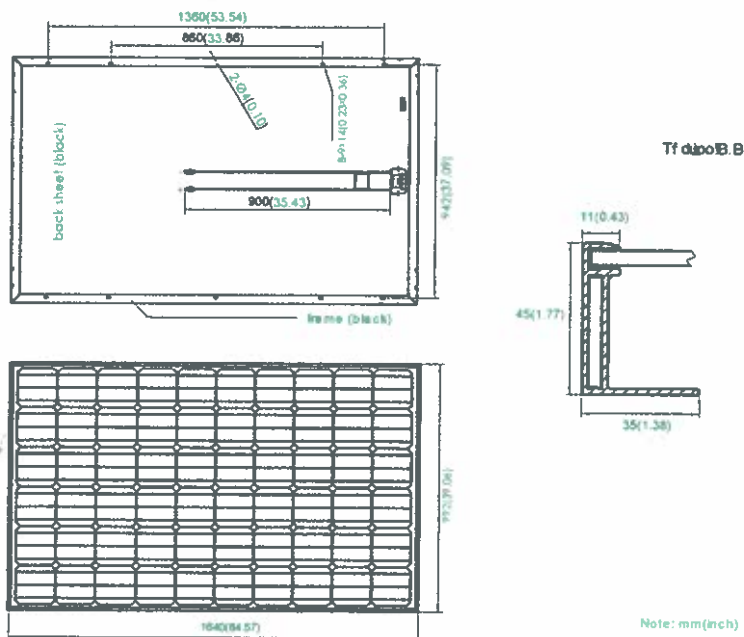
ABSOLUTE MAXIMUM RATING

Parameter	Values
Operating Temperature	From -40 to +85°C
Typical Application	20V DC
Hair Diameter @ 800m/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	15A
IEC Application Class (IEC 61215)	A
Fire Rating (UL 1703)	C
Maximum System Voltage	1000V DC (IEC 61215)
	1000V DC (UL 1703)

ELECTRICAL TYPICAL VALUES^{1,2}

Model	Rated Power (P _{nom})	Tolerance	Rated Current (I _{nom})	Rated Voltage (V _{nom})	Short Circuit Current (I _{sc})	Open Circuit Voltage (V _{oc})	Module Efficiency (%)
QT348N.310V	348X	1A. 6X	8/ 1B	3/ 8V	9/6B	48/6V	25.55
QT351N.310V	351X	1A. 6X	9/11B	41/1V	9/56B	48/7V	25.86
QT356N.310V	356X	1A. 6X	9/24B	41/3V	9/66B	48/9V	26.17
QT361N.310V	361X	1A. 6X	9/35B	41/5V	9/76B	48/1. V	26.48
QT366N.310V	366X	1A. 6X	9/46B	41/7V	9/86B	49/1V	26.78
QT371N.310V	371X	1A. 6X	9/57B	41/9V	9/96B	49/2V	26/ 9
PS265M-207U	265W	0--+5W	8.35A	31.0V	8.35A	38.2V	15.29
PS270M-20/U	270W	0--+5W	8.65A	31.2V	9.05A	38.3V	16.60

DIMENSIONS



TEMPERATURE CHARACTERISTICS

NOCT (Nominal Operation Cell Temperature)	45°C ± 2°C
Voltage Temperature Coefficient	-1.1436%/°C
Current Temperature Coefficient	-0.3625%/°C
Power Temperature Coefficient	-0.4314%/K

WEAK LIGHT PERFORMANCE

Intensity	I_{max}	V_{max}
2111	2	2
911	1/3	1/3.7
711	1/7	1/6
511	1/5	1/9.4
233	3/2	3/8.2
100	0.1	0.921

PACKING CONFIGURATION

Container	40' HQ
Pieces per pallet	22
Pallets per container	28
Pieces per container	616

PARTNER INFORMATION

Opaf U i jk i! ebub i f f i s t v n n b e i f f i o p e v d i x b o b o u i b o e i t q f d i g d i b u p o t i x i j k i b e i t v c l d u p
d i b o h i x j j p u l o p a d i f f i U i f f y b u d n p e v d i t q f d i g d i b u p o x j m c i t v c l d u p u i f f e f d i g u p o j o u i
t b i t i d p o u b d i f f i G r a i f a l j o p p n b u p o d b o i c i f g v o e i p o l p v a i x f t c h i x x x k a l p o o t p o t i o n

Zf Ej g0f e1 b1 t1 d0 e0 b0 e1 e1 f v1 b1 p1 o1 p1 g1 u1 p1 v1 b0 e1 t1 n1 f1 b1 t1 v1 a1 n1 f0 u1 t1 f1 B1 c1 p1 r1 e1 f1 g1 p1 x1 f1 e1 v1 o1 m1 i1 t1 e1 f1 q1 o1 e1 p1 o1 u1 f1 n1 f1 b1 t1 v1 a1 j1 h1 i1 t1 z1 u1 n1 f1 u1 f1 z1 d0 o1 e1 j1 g1 f1 c1 z1 , 0.8 & f1 g1 p1 n1 p1 o1 f1 n1 f1 b1 t1 v1 a1 j1 h1 i1 t1 z1 u1 n1 f1 u1 p1 b0 p1 u1 f1 s1

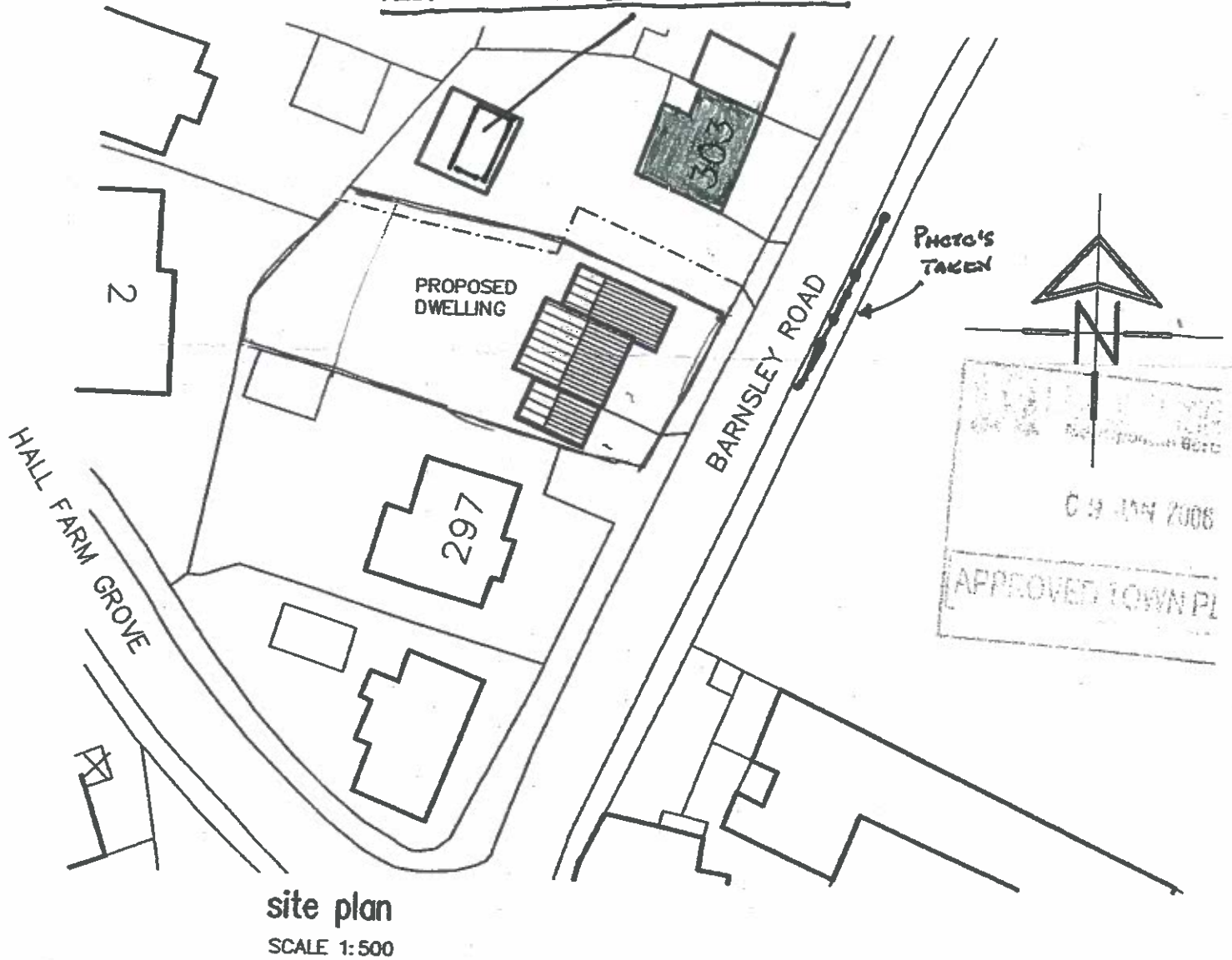
3d Nf b4 vaf n f ou dpoesjipot! voef al jmbepodf! dnf dpg Tiboebes! Uf u dpoesjipot TUD~! 2111X On
Ejdn btt! 26! Tqf dwn -idf dnfn of dnfn! pg 36~.

xxx/qj popt prbs/dpn

FO. V. N. OC. 2321

VIEWS TO GARAGE
FROM BARNLEY ROAD

PROPOSED PANELS ON ROOF



FROM: EXPLORER 0L1

GRID: 262046











