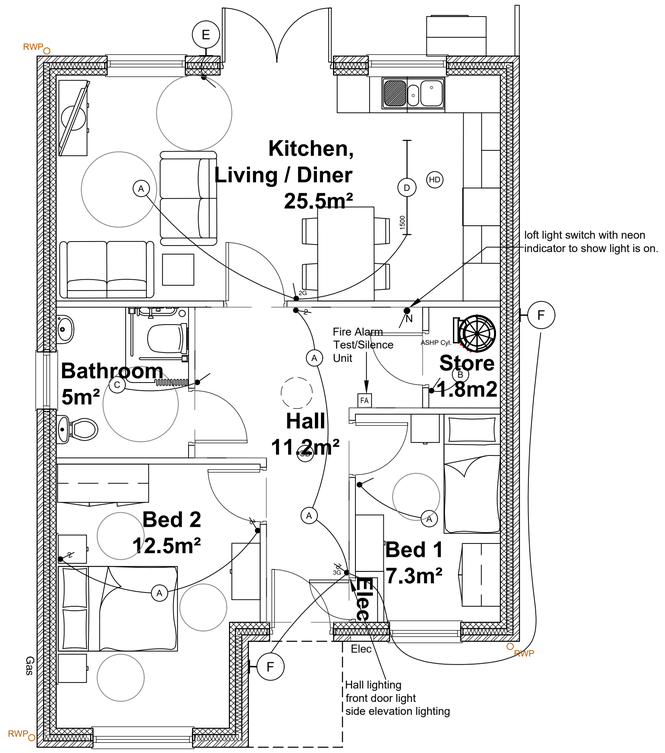
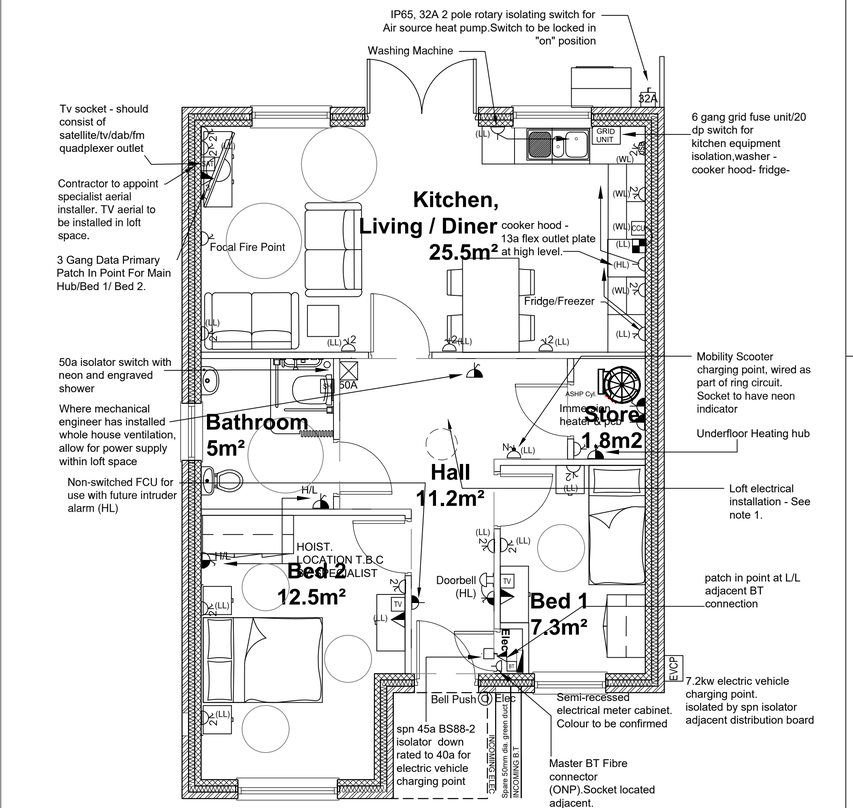


02 LIGHTING LAYOUT

1:50



01 SMALL POWER LAYOUT

1:50

SMALL POWER

NOTE: the following suffix denotes mounting height:
(LL) Low level generally 450mm - 600mm AFFL to U/S of item.
(WL) Worktop level, generally 75-150mm from worktop to U/S of item.
(H/L) High level generally 2100mm AFFL to U/S of item, but at least 25mm from ceiling.

SYMBOL	DESCRIPTION
	Consumer unit
GRID UNIT	Multi gang grid unit comprising individual fuse units & 20A DP switches controlling WASHER-FRIDGE-COOKER HOOD-FREEZER DISHWASHER
	13A Single gang non-switched socket outlet.
	13A Single gang switched socket outlet.
2	13A Two gang switched socket outlet.
2 USB	13A Two gang switched socket outlet with onboard twin USB outlets.
	13A non-switched fused connection unit.
	13A Switched fused connection unit.
BT	British Telecom NTE5 Master Telephone Socket.
	RJ 45 Data Outlet .
SAT	SAT/TV/FM outlet, with integral Secondary RJ11 Telephone Socket.
TV	One gang coaxial TV outlet.
CCU	Cooker control unit with integral 1G, 13A socket outlet.
	Cooker connection unit.
32A SPN	IP 65 External Lockable 32A SPN Isolator
	50A DP Shower Isolator
SH	Electric shower unit.
	Extract Fan.
Fan.	3 Pole Fan Isolator
	Door Bell.
	Door bell push button.

LIGHTING

NOTE: Suffix denotes fitting type. See also Luminaire Schedule.

SYMBOL	DESCRIPTION
$S	Ceiling / Recessed mounted luminaire.
$S	Wall mounted luminaire.
$S	Ceiling mounted linear fitting.
2G	Light switch - One way. NOTE: Suffix next to switch denotes number of gang. Example '2G' means two gang light switch.
	Light switch - Two way.
N	2G Gridswitch: 1G light switch + 1 Amber neon indicator. Switch engraved 'LOFT LTG'
	Pull cord switch.

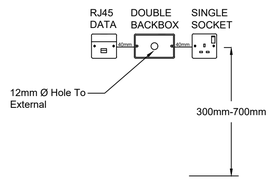
FIRE ALARM SYSTEM

SYMBOL	DESCRIPTION
FAT	Fire alarm test/control unit.
SD	Smoke detector.
HD	Heat detector.
CO	Carbon Monoxide detector.

LUMINAIRE SCHEDULE

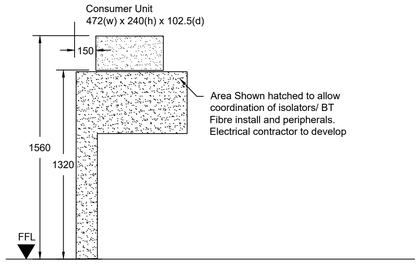
REF	MAKE	RANGE	LIST NO.	DESCRIPTION
A	MK Electric	Pendant Set	1186WHI	Surface ceiling mounted pendant set and 150 mm heat resistant flexible wire and shade ring, c/w 1 x 13w Warm White (100W equivalent) Bayonet Cap B22 non-dimmable GLS Style 2700K LED lamp. Luminaire body colour 'WHITE'.
B	MK Electric	Batten Lamp Holder	1174WHI	Surface ceiling mounted batten lamp holder with home office skirt, c/w 1 x 13w 2700K Warm White (100W equivalent) Bayonet Cap B22 non-dimmable GLS Style LED lamp. Luminaire body colour 'WHITE'.
C	NVC Lighting Ltd	Portland LED	NPO15LED/WH/O/850	IP54. 325mm dia. x 100 (d) mm. Surface ceiling mounted circular 15W 5000K Cool White LED luminaire with opal polycarbonate diffuser. Luminaire body colour 'WHITE'.
D	NVC Lighting Ltd.	Phoenix LED	Luminaire - PH40/LED/850. Diffuser - NPH/CNTR/LED/40	IP20. 1527 (l) x 61 (w) x 64 (d) mm. Surface mounted, linear 40W 5000K Cool White LED luminaire, fitted with opal polycarbonate diffuser. Luminaire body colour 'WHITE'.
E	NVC Lighting Ltd.	Spartan LED	NSP15/BK/840.	IP65. 278 (dia) x 86 (d) mm. Surface wall mounted circular 15W LED luminaire with opal polycarbonate diffuser, integral dusk till dawn photocell. Luminaire body colour 'BLACK'.
F	ASD Lighting Ltd	Clarity - Portrait	C2P/BLE4LED600C	IP65. 276 (h) x 190 (w) x 125 (d) mm. Surface wall mounted oval 7.8W LED luminaire with opal polycarbonate diffuser, eyelid cover and integral Photocell. Luminaire body colour 'BLACK'.

BT Openreach Fibre Incomer Detail.

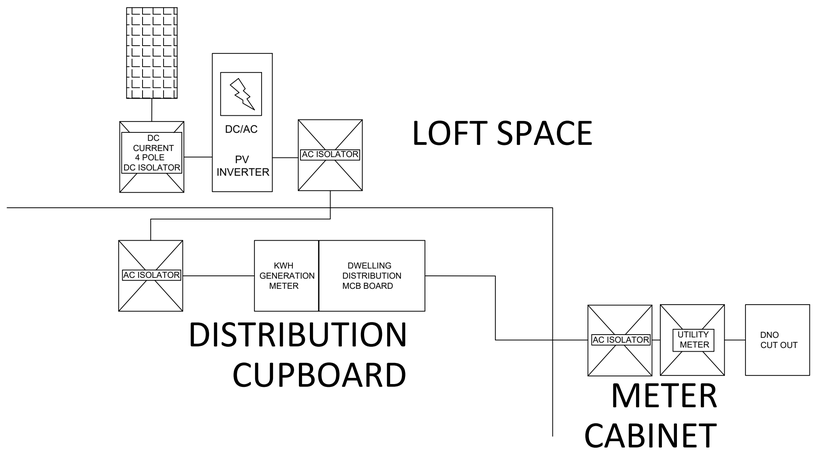


Detail 'B'

Note: Detail to be handed to suit alternative dwelling layout.



PV Modules

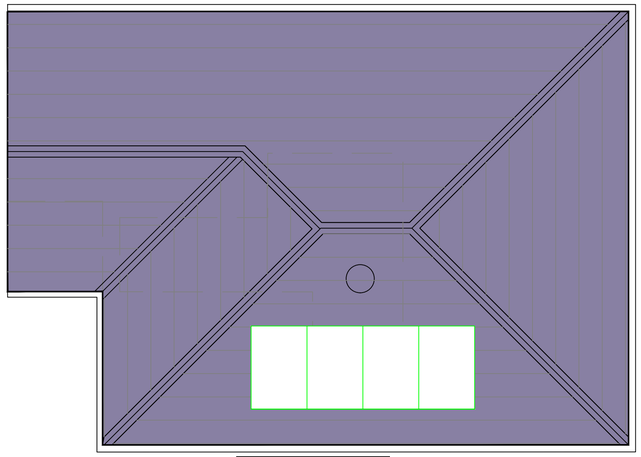


03 SCEHDULES AND SCHEMATICS

NTS

04 INDICATIVE SOLAR PV LAYOUT

NTS



REFER TO NOTE 7

DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR. REPORT ANY DISCREPANCIES TO DRAWING AUTHOR AND PROPERTY SERVICES TEAM. DRAWING OR CONTENTS SHOULD NOT BE DUPLICATED WITHOUT PRIOR CONSENT.

DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER PROJECT DOCUMENTS INCLUDING BUT NOT LIMITED TO DRAWINGS, SPECIFICATIONS, SCHEDULES

0m 0.5 1.0 1.5 3.0m

1:50

NOTES

1. The Contractor shall allow in their tender submission for the supply and installation of the following items in the roof void of each dwelling - 1 x Luminaire Type B, 1 x 2G switched socket outlet, 1 x TV Digital Aerial. 1 x Smoke detector. All associated cable and containment.
2. All WC and Bathroom fans operated by light switch.
3. Dwelling fire detection/alarm system to comply with 'Part B' of the Building Regulations and to BS5839-Part 6 (Grade D1 - Category LD2). Allow for SD in loft.
4. The type and location of all mechanical items are indicative and are subject to confirmation by the mechanical engineer.
5. This drawing shall be read in conjunction with the electrical specification.
6. Where whole house ventilation is installed , electrical contractor to allow for power supply within loft .
7. Specialist contractor to ascertain maximum achievable solar PV taking into account area of roof and orientation

Please note this dwelling type is underfloor heated (wet system). The electrical contractor is to liaise with the main contractor and his mechanical sub contractor as to controls and pipework positions.

Rev	Notes	Date	Issued By
P1	TENDER ISSUE	16/06/22	PAD

BARNSLEY Metropolitan Borough Council
PROPERTY SERVICES

SERVICE
Housing Growth

PROJECT
Goldthorpe Market

TITLE
Electrical Services
2 Bed Detached Bungalow

PROJECT REF	DRAWING REFERENCE	REV
106436	GMH-DR-E-002	P1
SCALE	DISCIPLINE	SHEET SIZE
1:50	ELECTRICAL ENG	A1
PURPOSE OF ISSUE	BUILDING CONTROL APPROVAL	Drawn PAD / Checked XX