DISTRIBUTION BOARD CIRCUIT CHART

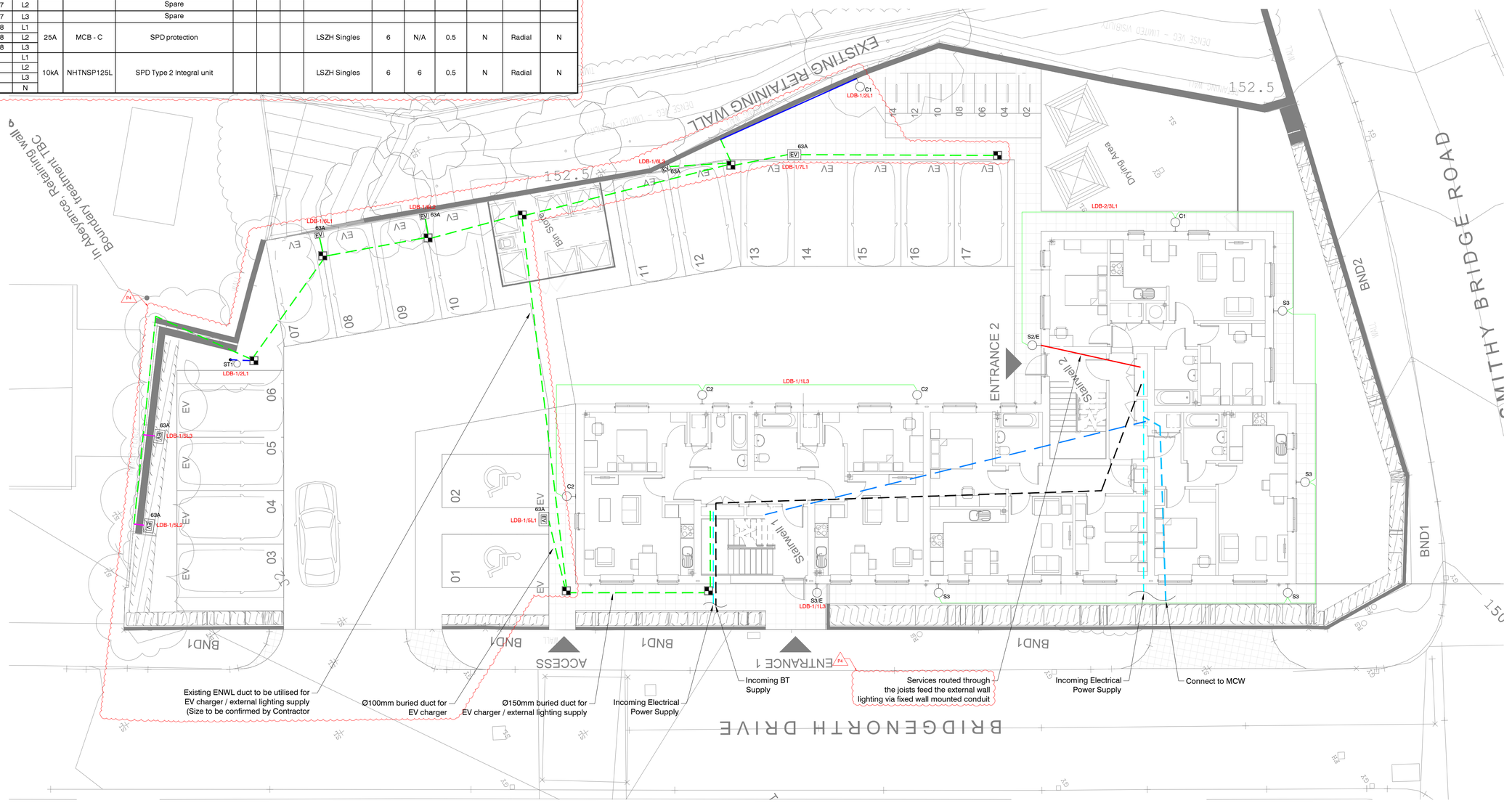
PROJECT:	The Smithybridge Pub			Diversified Load		JOB NO.:	J402	PAGE:	1	
BOARD REF:	#N/A			L1 (A)	L2(A)	L3(A)	LOCATION:	1/F Electical Cupboard		
BOARD USE:	Lighting and Power			94.5	63.0	62.0	PROTECTION TYPE:	Wylex		
NO OF WAYS:	8	BOARD TYPE:		TP&N			INCOMER RATING (**In**):	100A		
SUPPLIED FROM:	BEMCO						LOCATION:	G/F Electical Cupboard		
ACTUAL CABLE RATING (**It**)		110A	Zs @ DB:	0.045Ω			VD @ DB:	0.34%	Rev	Date
SUPPLY CABLE:	TYPE:	XLPE/SWA/LSZH	SIZE:	4C 25mm²			CPC:	Armour	P4	31/01/25

WAY	PHASE	MCB SIZE	MCB / RCBO TYPE	CIRCUIT DESCRIPTION	DESIGN CURRENT			CABLE		CPC	CCT	30mA	CCT	AFDD
					L1	L2	L3	TYPE	SIZE	SIZE	DESIGN LENGTH	RCBO	TYPE	
1	L1	10A	PSBL10-B	Lighting G/F, 1/F, 2/F Corrdior	2			T&E (LSZH)	1.5	1	27	Y	Radial	N
1	L2	10A	PSBL10-B	Lighting Stairwell		2		T&E (LSZH)	1.5	1	51	Y	Radial	N
1	L3	10A	PSBL10-B	External Wall Lighting			2	T&E (LSZH)	1.5	1	35	Y	Radial	N
2	L1	10A	PSBL10-B	External Lighting	2			XLPE/SWA/LSZH	4	Armour	80	Y	Radial	N
2	L2			Spare										
2	L3			Spare										
3	L1	32A	PSBS32-B/1	Cleaner Sockets G/F, 1/F, 2/F	5			T&E (LSZH)	4	1.5	63	Y	Radial	N
3	L2	16A	PSBL16-B	Fire Alarm Panel/AOV		2		FP200	1.5	1.5	19	N	Radial	N
3	L3	16A	PSBL16-B	Security			2	T&E (LSZH)	1.5	1	8	N	Radial	N
4	L1			Spare										
4	L2	16A	PSBL16-B	Notice Board		2		T&E (LSZH)	1.5	1	8	Y	Radial	N
4	L3			Spare										
5	L1	63A	PSBL63-B	EV Charger	60			XLPE/SWA/LSZH	16	Armour	22	N	Radial	N
5	L2	63A	PSBL63-B	EV Charger		60		XLPE/SWA/LSZH	16	Armour	65	N	Radial	N
5	L3	63A	PSBL63-B	EV Charger			60	XLPE/SWA/LSZH	16	Armour	60	N	Radial	N
6	L1	63A	PSBL63-B	EV Charger	60			XLPE/SWA/LSZH	16	Armour	44	N	Radial	N
6	L2	63A	PSBL63-B	EV Charger		60		XLPE/SWA/LSZH	16	Armour	39	N	Radial	N
6	L3	63A	PSBL63-B	EV Charger			60	XLPE/SWA/LSZH	16	Armour	47	N	Radial	N
7	L1	63A	PSBL63-B	EV Charger	60			XLPE/SWA/LSZH	16	Armour	44	N	Radial	N
7	L2			Spare										
7	L3			Spare										
8	L1													
8	L2	25A	MCB - C	SPD protection				LSZH Singles	6	N/A	0.5	N	Radial	N
8	L3													
	L1													
	L2													
	L3	10kA	NHTNSP125L	SPD Type 2 Integral unit				LSZH Singles	6	6	0.5	N	Radial	N
	N													

Legend:

- Draw Pit (final size to be confirmed by Contractor)
- AS installed Duct for incoming electrical supply (final size to be confirmed by Cotractor)
- As installed BT duct (final size to be confirmed by Cotractor)
- Buried duct for EV charger / external lighting supply (final size to be confirmed by Cotractor)
- 2c 16mm XLPE/SWA/LSZH wall mounted cable for EV charger
- Buried duct for column street light (final size to be confirmed by Contractor)
- 2c 4mm XLPE/SWA/LSZH wall mounted cable for external lighting
- Services routed through the joists feed the external wall lighting via fixed wall mounted conduit (final size to be confirmed by Contractor) P4
- Cold Water under floor slab
- Mains Water Supply Link from plant 1 to 2

- EV 7.3 kW 32A single phase per each outlet Pro Earth Wall AC charger dual gun RFID EV charger As Project EV model EVA-07D-SE-W
- EV 7.3 kW 32A single phase per each outlet Pro Earth AC charger dual gun RFID EV charger with pole floor stand As Project EV model EVA-07D-SE-W, EV-SEW-FLRSTAND
- ST1 IP65 rated 40W column street light c/w dimmer control As Lux Bright Strafford range (Strafford/LED/40W/Switched/PC/LS)
- C1 IP65 rated wall mounted 30W LED foodlight c/w photocell and PIR As Lux Bright Columbus range (Columbus/LED/30W/Switched/PC/PIR)
- C2 IP65 rated wall mounted 50W LED foodlight c/w photocell As Lux Bright Columbus range (Columbus/LED/50W/Switched/PC)
- S2 IP65 / IK10+ rated 15W LED wall mounted lumniaire c/w dimmer and As Lux Bright Sandford Hood range (Strafford/EcoLED/15W/DALI/MWOnOff/BHO/EM3)
- S3 IP65 / IK10+ rated 15W LED wall mounted lumniaire As Lux Bright Sandford Hood range (Strafford/EcoLED/15W/Swiched/BHO/PC/EM3)
- /E Self-contained non-maintained emergency 3-hour duration battery



Proposed Ground Floor Plan
Scale: 1:100

©This drawing and its contents are strictly the copyright of GLD

Certificate Number 16602-Q15-001
ISO 9001

General Notes

1. Drawings are to be read in conjunction with all relevant specifications, engineers, architects & services drawings, including approved builders work drawings. Contractor to notify engineer of discrepancies between structural drawings & specifications or other drawings.
2. All dimensions are in millimeters unless noted otherwise.
3. Do not scale from the drawings or the computer digital data, only figured dimensions are to be used.
4. Refer to luminaire schedule for proposed luminaire manufacturer types, which shall be read in conjunction with the architects latest plans.
5. This drawing is indicative only and identifies the proposed external services requirements. The Contractor shall be responsible for the final detail and co-ordination of all services with the architectural, structural & other services elements associated with the installation. All dimensions,routes and quantities are for guidance only and shall be validated, finalized and co-ordinated by the Contractor and their respective sub-contractors.
6. All External luminaries installed on opposing external walls to be served from the landlords MCB distribution board. The final routing and co-ordination of the supply cable to be co-ordinated on site by the the electrical services installer and the main contractor.
7. Final location of pole mounted EVC chargers to be confirmed and co-ordinated on site with the landscape architect. EVC chargers to incorporate integral earth fault device.
8. External lights will be powered from the respective landlord distribution boards. Supply cables should be routed through the ceiling voids of the respective flats to serve the corresponding luminaries. All landlord containment routed through the flat ceiling voids must have suitable identification to avoid tampering with.

Rev	Date	Amendment	Drawn	Ckd
P4	31-Jan-2025	Updated as per client comments on 30 January 2025. DB schedule added	KT	GD
P3	02-Jan-2025	Updated to incorporate additional EV chargers, new required cable ducts and revised lighting	KT	GD
P2	26-Jul-2024	Updated as per client comments	EM	GD
P1	08-Jul-2024	Preliminary Issue	EM	GD

Drawn By: JasW	Drawn Date: 11 Jun 2024	Scale: 1:100 @ A1
Checked By: GD	Checked Date: 11 Jun 2024	xRef: 5100-C02 GF Plan-Rev20240603

Client: ARMSTRONG PROJECTS

Project Title:
The Smithybridge Pub, Littleborough

Drawing Title:
Proposed Site Plan
Proposed External Drawing Layout

Status:
PRELIMINARY

GLD CONSULTING LTD TECHNICAL
Damhouse, Astley Hall Drive
Astley, Manchester, M29 7TX
W: www.gldtechnicalconsulting.co.uk
T: 01942889535 / 01616417097

Drawing No:	Rev
J402-GLD-00-DR-ME-8000-001	P4