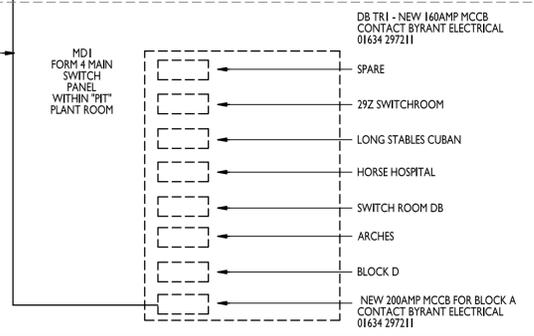
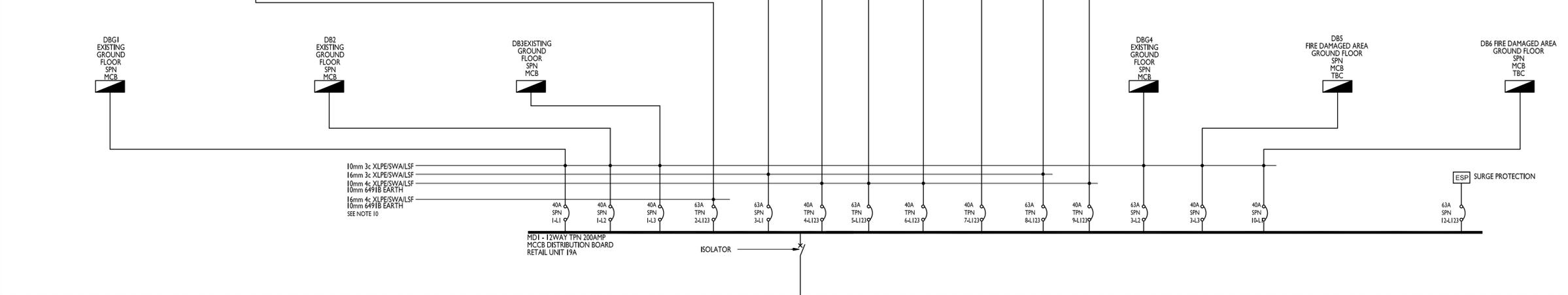


OPTIMA	AP297-E-50-T	BLOCK A-ELECTRICAL SERVICES SCHEMATIC
OPTIMA	AP297-E-100-T	BLOCK A-EXISTING SERVICES FRONT ELEVATION
OPTIMA	AP297-E-200-T	BLOCK A-SERVICES ELECTRICAL GROUND, FIRST & SECOND
OPTIMA	AP297-M-201-T	BLOCK A-SERVICES MECHANICAL GROUND, FIRST & SECOND
OPTIMA	AP297-E-300-T	BLOCK A-SERVICES FRONT & REAR ELEVATION
OPTIMA	AP297-JULY 2014	BLOCK A-MECHANICAL & ELECTRICAL SPECIFICATION

- 1) Drawing and design Copyright.
- 2) Figured dimensions only are to be used.
- 3) All dimensions to be checked on site, differences between drawings and specification or bills of quantities to be referred to OPTIMA B.E.S. Ltd.
- 4) All electrical services shall be installed as per the requirements of BS 7671 IET: 2008 + A1 2011 Wiring Regulation.
- 5) As per the requirements of BS 7671 IET: 2008 + A1 2011 Wiring Regulation, additional RCD protection is required to all socket outlets not exceeding 20amps. The only exception is a particular piece of equipment specifically labelled or suitable identified. The electrical contractor must obtain approval from OPTIMA B.E.S Ltd before installing a socket supplying such equipment.
- 6) As per the requirements of BS 7671 IET: 2008 + A1 2011 Wiring Regulation, Additional RCD protection is required to all socket outlets not exceeding 32amps for external installations.
- 7) As per the requirements of BS 7671 IET: 2008 + A1 2011 Wiring Regulation, Additional RCD protection is required to special installations and locations as describe in Part 7, i.e pools & saunas.
- 8) As per the requirements of BS 7671 IET: 2008 + A1 2011 Wiring Regulation, Additional RCD protection is required to all circuits, including shower and lighting circuits with fixed bath, shower or en-suite bathrooms.
- 9) As per the requirements of BS 7671 IET: 2008 + A1 2011 Wiring Regulation, Where a cable is concealed within a partition wall at a depth less than 50mm from the surface and not provided with mechanical protection i.e metal conduit, additional 30mA RCD protection is required.
- 10) All cable sizes are indicative only. It is the responsibility of the electrical contractor to ensure the cabling is sized to the requirements of BS 7671 Wiring Regulations and current amendments.

DISTRIBUTION BOARD DB7  
LOCATION: RETAIL UNIT 19A  
SUPPLIED FROM: TR1 - BLOCK D  
TYPE: TPN - MCB  
MAIN ISOLATOR: 100AMP

No	CIRCUIT	TYPE	LOCATION	FUNCTION	MCB	RCD	PHASE	CPC	CABLE
1	L1	RADIAL	CONCESSION 1	SOCKET	32A	30mA	4mm	4mm	XLPESW/LSF
2	L2	RADIAL	CONCESSION 2	SOCKET	32A	30mA	4mm	4mm	XLPESW/LSF
3	L3	RADIAL	CONCESSION 3	SOCKET	32A	30mA	4mm	4mm	XLPESW/LSF
4	L4	RADIAL	CONCESSION 4	SOCKET	32A	30mA	4mm	4mm	XLPESW/LSF
5	L5	RADIAL	CONCESSION 5	SOCKET	32A	30mA	4mm	4mm	XLPESW/LSF
6	L6	RADIAL	CONCESSION 6	SOCKET	32A	30mA	4mm	4mm	XLPESW/LSF
7	L7	RADIAL	CONCESSION 7	SOCKET	32A	30mA	4mm	4mm	XLPESW/LSF
8	L8	RADIAL	CONCESSION 8	SOCKET	32A	30mA	4mm	4mm	XLPESW/LSF
9	L9	RADIAL	CONCESSION 9	SOCKET	32A	30mA	4mm	4mm	XLPESW/LSF
10	L10	RADIAL	CONCESSION 10	SOCKET	32A	30mA	4mm	4mm	XLPESW/LSF
11	L11	RADIAL	CONCESSION 11	SOCKET	32A	30mA	4mm	4mm	XLPESW/LSF
12	L12	RADIAL	EXT LIGHTING HIGH LEVEL	LIGHTING	16A	30mA	2.5mm	2.5mm	6491B SINGLES
13	L13	RADIAL	EXT LIGHTING HIGH LEVEL	LIGHTING	16A	30mA	2.5mm	2.5mm	6491B SINGLES
14	L14	RADIAL	EXT LIGHTING HIGH LEVEL	LIGHTING	16A	30mA	2.5mm	2.5mm	6491B SINGLES
15	L15	RADIAL	EXT LIGHTING LOW LEVEL	LIGHTING	10A	30mA	1.5mm	1.5mm	6491B SINGLES
16	L16	RADIAL	EXT LIGHTING LOW LEVEL	LIGHTING	10A	30mA	1.5mm	1.5mm	6491B SINGLES
17	L17	RADIAL	EXT LIGHTING LOW LEVEL	LIGHTING	10A	30mA	1.5mm	1.5mm	6491B SINGLES
18	L18	RADIAL	LANCASHIRE HOUSE TBA	RCD SOCKET	16A	30mA	2.5mm	2.5mm	6491B SINGLES
19	L19	RADIAL	LANCASHIRE HOUSE TBA	EXT LIGHTING TBA					
20	L20	RADIAL	SECURITY TBA						
21	L21								
22	L22								
23	L23								
24	L24								
25	L25								



T	11-08-14	TENDER PROVISIONAL ISSUE
Rev	Date	Details
Client		
STANLEY SIDINGS		
Project		
CAMDEN STABLES MARKET LONDON		
Drawing		
BUILDING A ELECTRICAL SERVICES MAINS DISTRIBUTION SCHEMATIC		
Scale	Date	Drawn
1:100 @ A1	July 2014	TA
Checked	DB	
<p><b>OPTIMA B.E.S. LTD</b> Building Environmental Solutions HIGHCLERE, 34 ABBOTS ROAD ABBOTS LANGLEY, HERTS, WD5 0AZ TEL: 01923 267107 FAX: 01923 270223 E-mail: OptimaBES@aol.com</p>		
Job No.	Drawing No.	Revision
AP297	E50	T