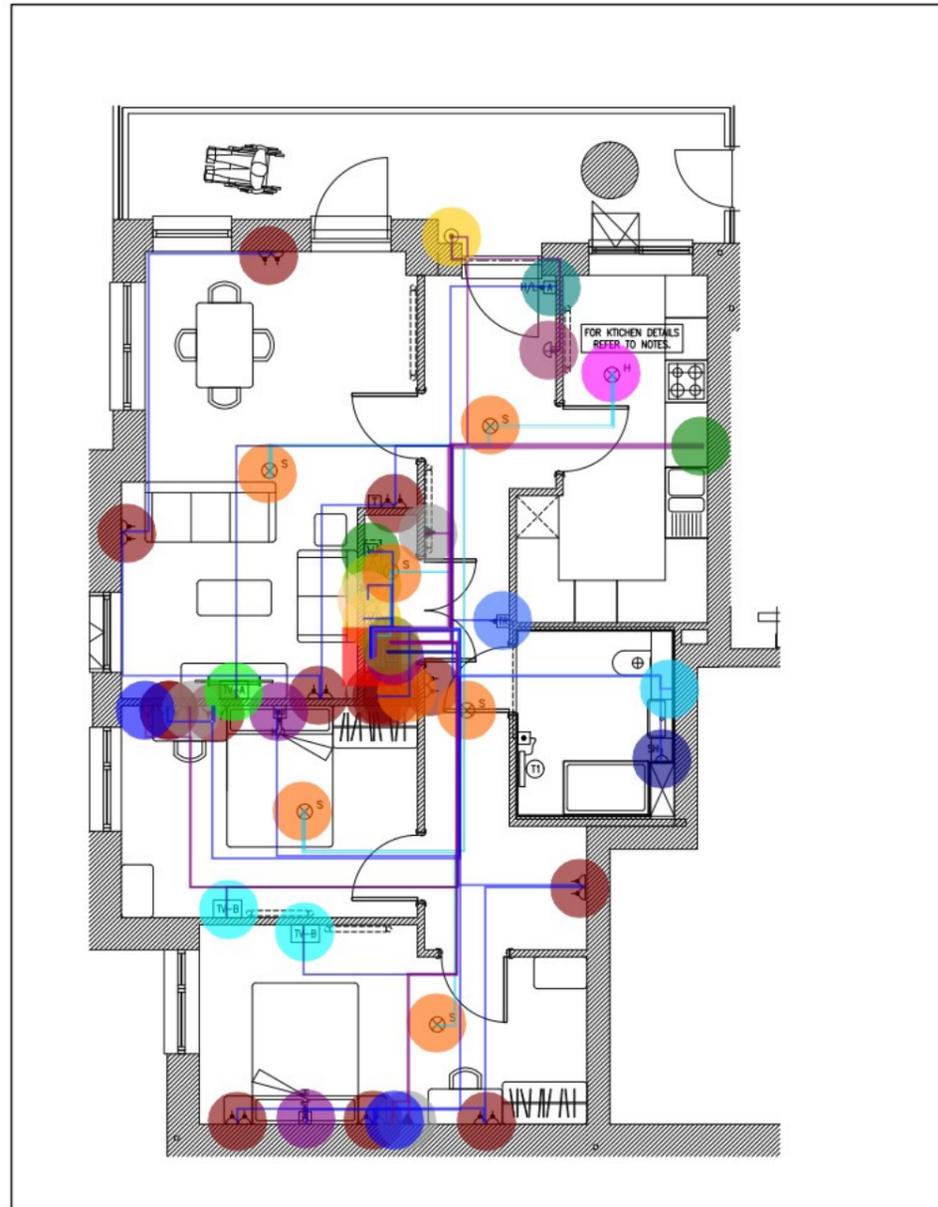
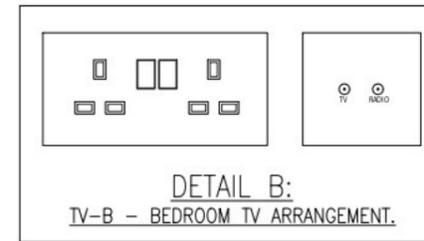
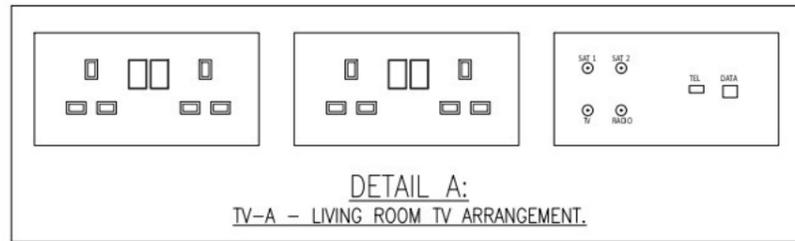
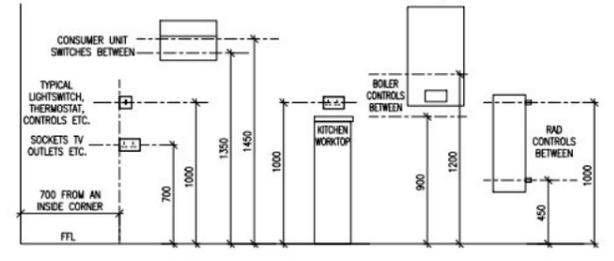
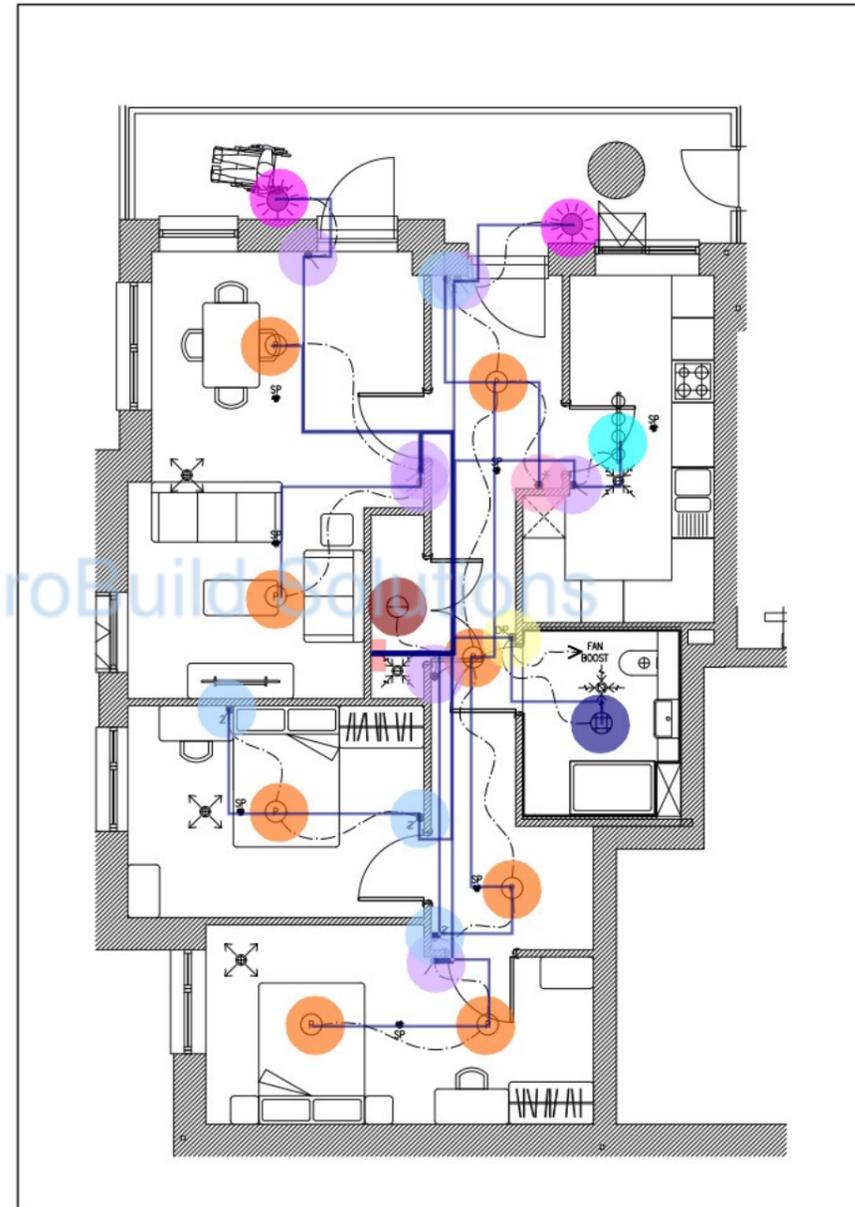


MOUNTING HEIGHT OF SWITCHES & SOCKETS PART M4 (3) WCH FLATS ONLY



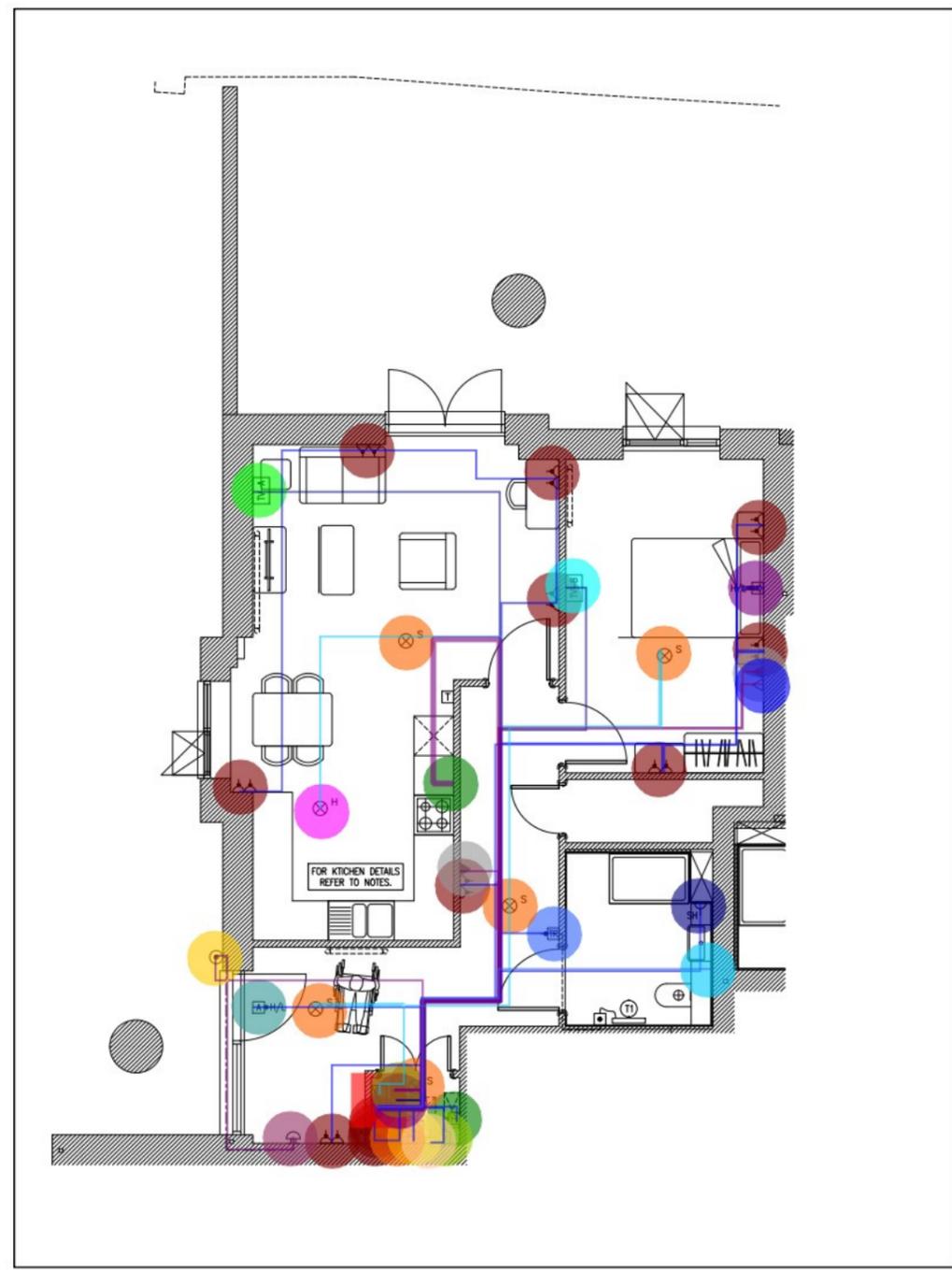
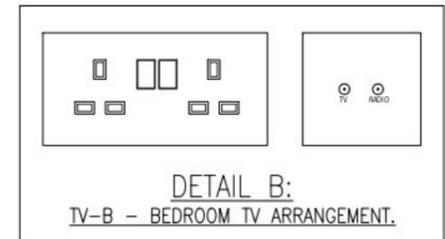
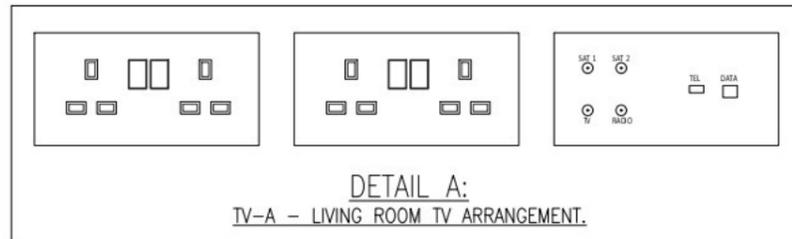
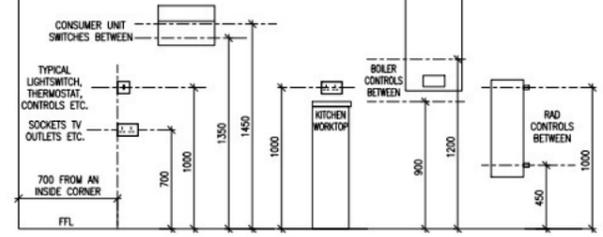
ELECTRICAL SERVICES



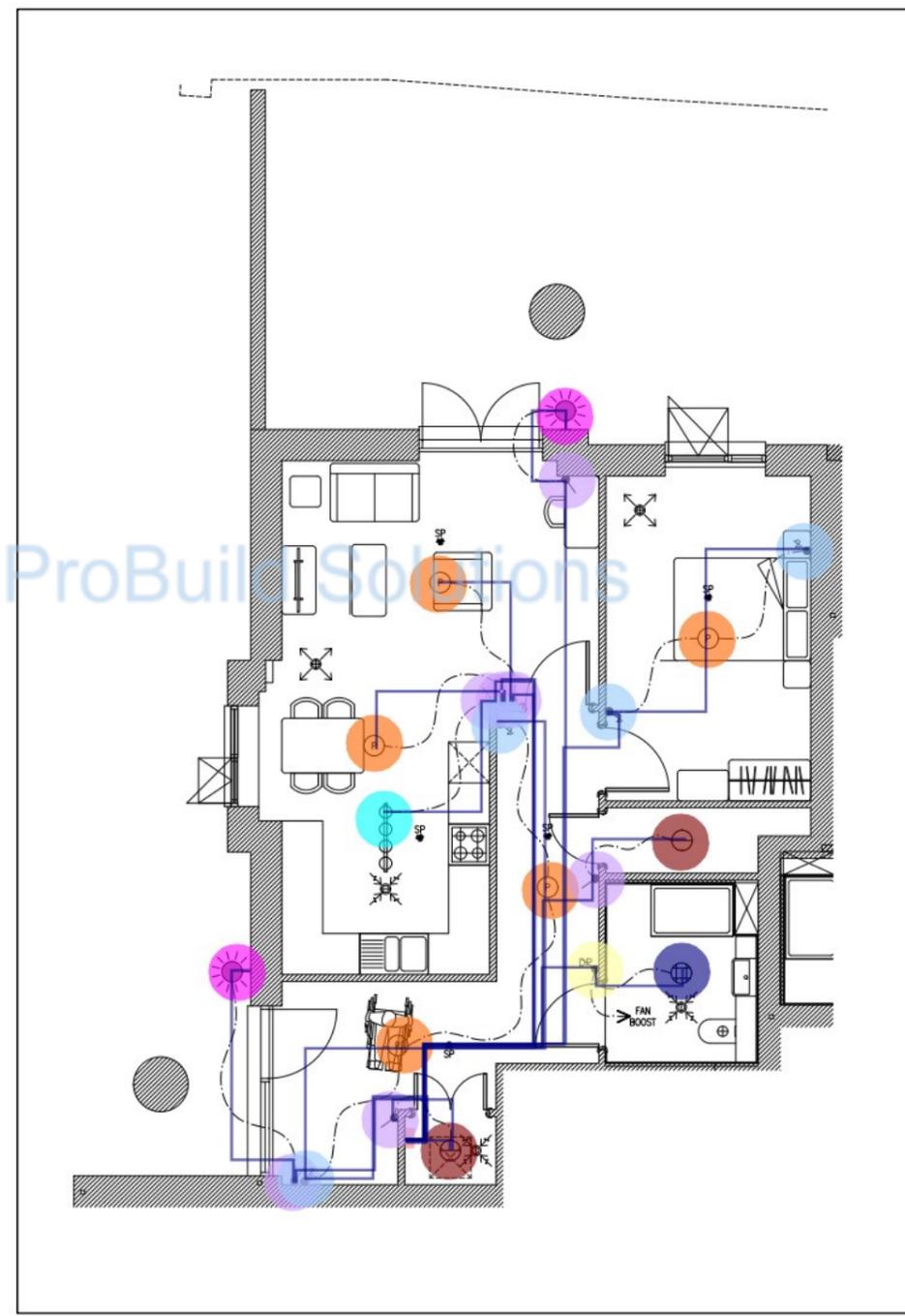
LIGHTING SERVICES

A01 - Switched double s...	15.0 EA	
A01 - Shaver socket	1.0 EA	
A01 - Switched fused con...	1.0 EA	
A01 - Switched fused con...	1.0 EA	
A01 - Switched fused con...	1.0 EA	
A01 - Switched fused con...	1.0 EA	
A01 - Switched fused con...	2.0 EA	
A01 - Switched fused con...	1.0 EA	
A01 - Unswitched fused c...	1.0 EA	
A01 - Unswitched single s...	1.0 EA	
A01 - Door bell push button	1.0 EA	
A01 - Door bell sounder	1.0 EA	
A01 - Door entry handset	3.0 EA	
A01 - TV Arrangement A	1.0 EA	
A01 - TV Arrangement B	2.0 EA	
A01 - Telephone/Data outlet	2.0 EA	
A01 - Fire alarm - Smoke ...	6.0 EA	
A01 - Fire alarm - Heat de...	1.0 EA	
A01 - Light - IP65 PIR Co...	2.0 EA	
A01 - Pendant light	8.0 EA	
A01 - Adjustable light	1.0 EA	
A01 - Light - Batten lamph...	1.0 EA	
A01 - Bulkhead light	1.0 EA	
A01 - Light switch 1 way	7.0 EA	
A01 - Light switch 2 way	4.0 EA	
A01 - Light switch interme...	1.0 EA	
A01 - Light switch double ...	1.0 EA	
A01 - Consumer unit	1.0 EA	
A01 - Television distributio...	1.0 EA	
A01 - BT Distribution point	1.0 EA	
A01 - 2#1.5, 1#1.5G Wire...	88.4 M	
A01 - Coaxial cable	26.9 M	
A01 - CAT 6 Cable 1 run	52.4 M	
A01 - 2#1.5, 1#1.5G Wire...	30.7 M	
A01 - 2#2.5, 1#2.5G Wire...	93.0 M	
A01 - Cooker control unit	1.0 EA	
A01 - ASHP	1.0 EA	
A01 - 2#10, 1#10G Wire in...	7.7 M	
A01 - 2#4, 1#4G Wire in 2...	5.5 M	

MOUNTING HEIGHT OF SWITCHES & SOCKETS PART M4 (3) WCH FLATS ONLY



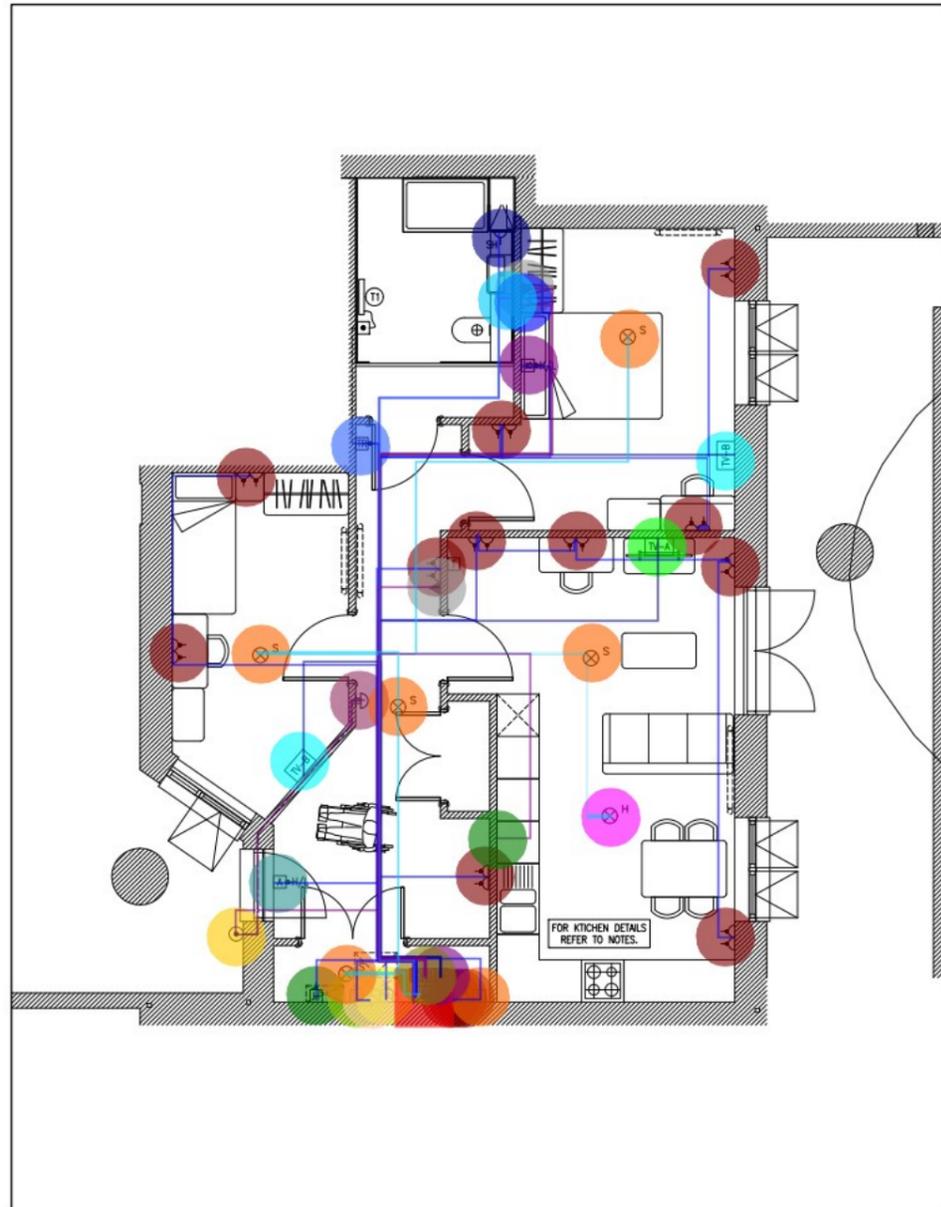
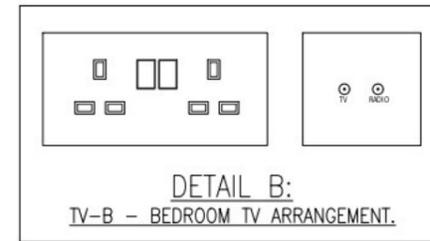
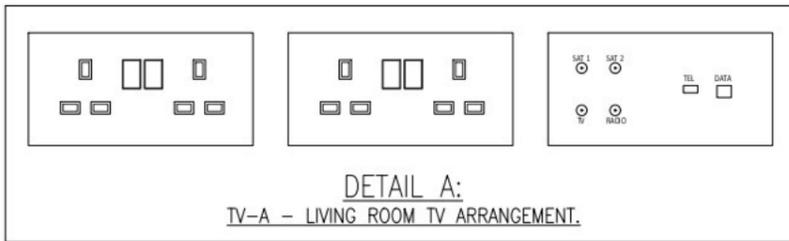
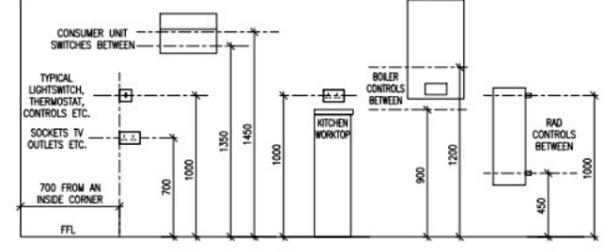
ELECTRICAL SERVICES



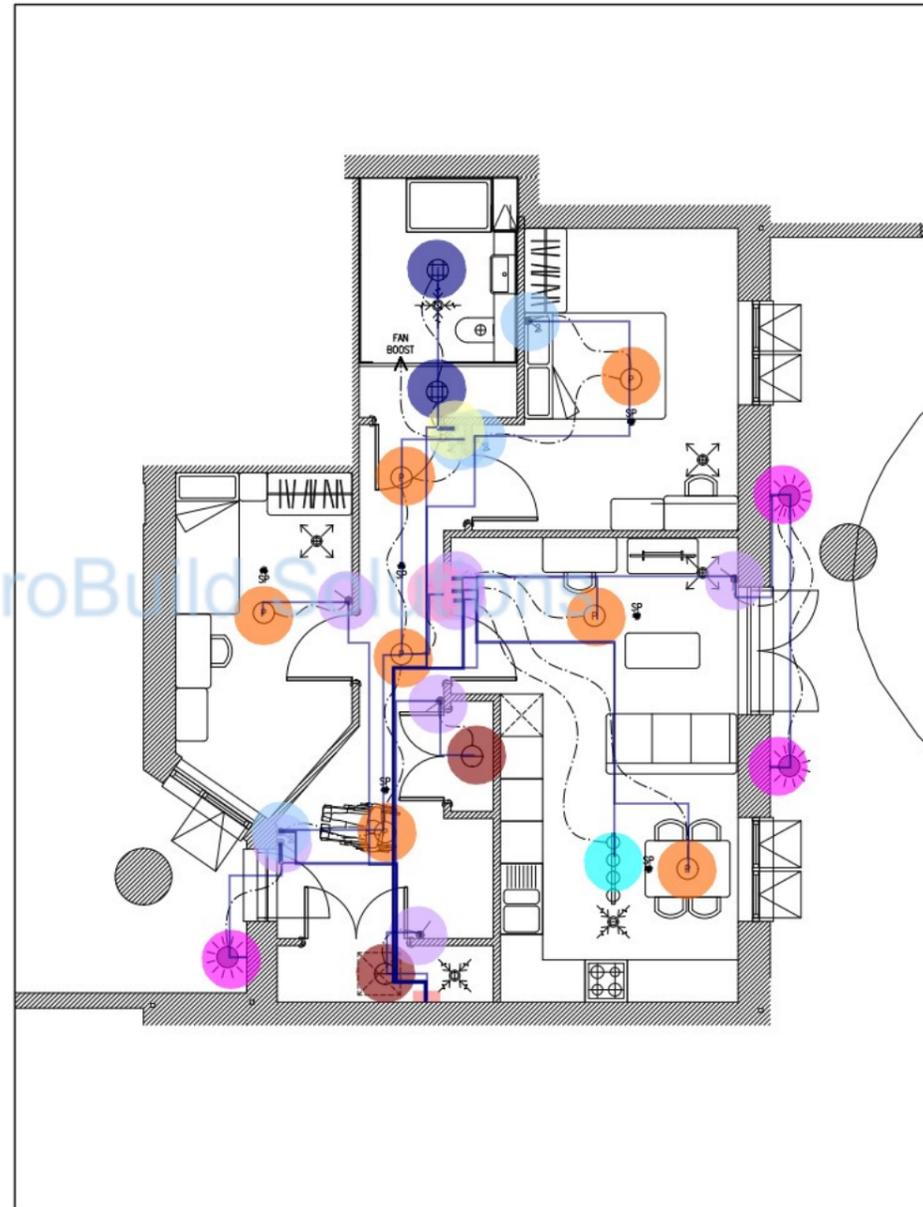
LIGHTING SERVICES

- A02 - Switched double s... 12.0 EA
- A02 - Shaver socket 1.0 EA
- A02 - Switched fused conn... 1.0 EA
- A02 - Unswitched fused co... 1.0 EA
- A02 - Unswitched single s... 1.0 EA
- A02 - Door bell push button 1.0 EA
- A02 - Door bell sounder 1.0 EA
- A02 - Door entry handset 2.0 EA
- A02 - TV Arrangement A 1.0 EA
- A02 - TV Arrangement B 1.0 EA
- A02 - Telephone/Data outlet 1.0 EA
- A02 - Fire alarm - Smoke ... 5.0 EA
- A02 - Fire alarm - Heat det... 1.0 EA
- A02 - Light - IP65 PIR Con... 2.0 EA
- A02 - Pendant light 5.0 EA
- A02 - Adjustable light 1.0 EA
- A02 - Light - Batten lamph... 2.0 EA
- A02 - Bulkhead light 1.0 EA
- A02 - Light switch 1 way 7.0 EA
- A02 - Light switch 2 way 4.0 EA
- A02 - Light switch double p... 1.0 EA
- A02 - Consumer unit 1.0 EA
- A02 - Television distribution... 1.0 EA
- A02 - BT Distribution point 1.0 EA
- A02 - 2#1.5, 1#1.5G Wire... 107.2 M
- A02 - Coaxial cable 25.6 M
- A02 - CAT 6 Cable 1 run 39.2 M
- A02 - 2#1.5, 1#1.5G Wire ... 24.1 M
- A02 - 2#2.5, 1#2.5G Wire ... 86.4 M
- A02 - Cooker control unit 1.0 EA
- A02 - ASHP 1.0 EA
- A02 - 2#10, 1#10G Wire in... 12.5 M
- A02 - 2#4, 1#4G Wire in 3/... 7.2 M

MOUNTING HEIGHT OF SWITCHES & SOCKETS PART M4 (3) WCH FLATS ONLY

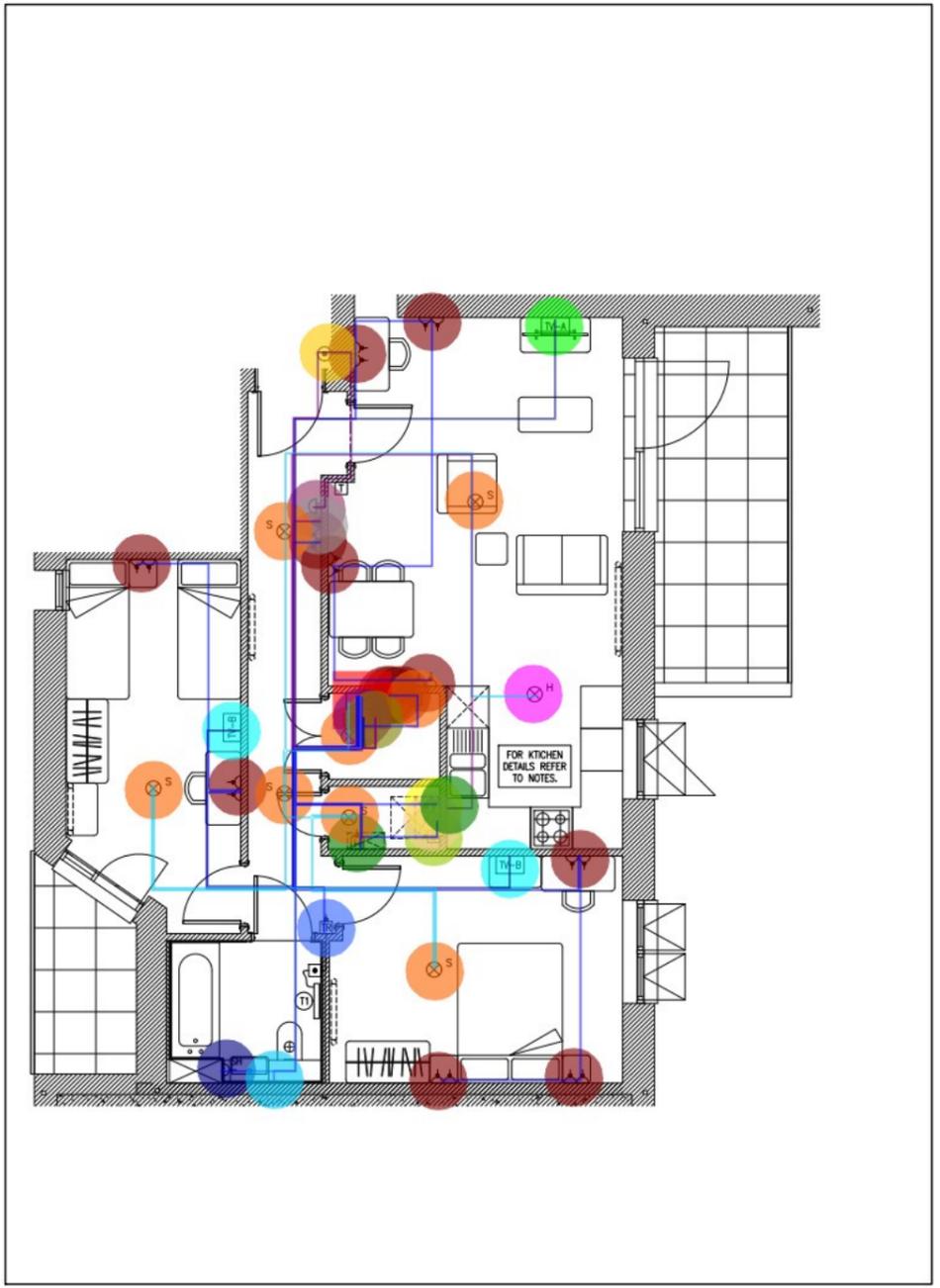
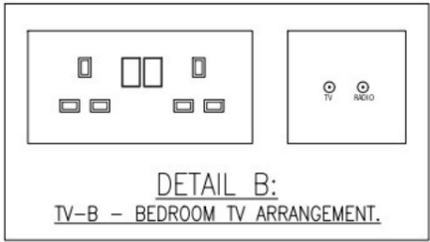
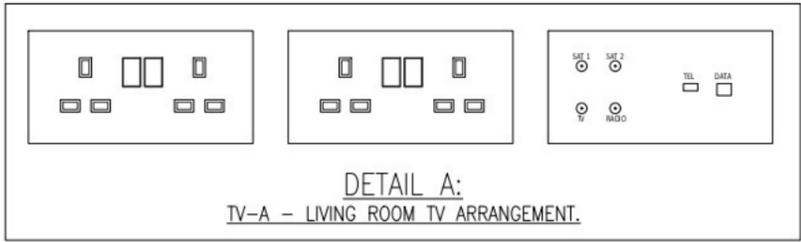
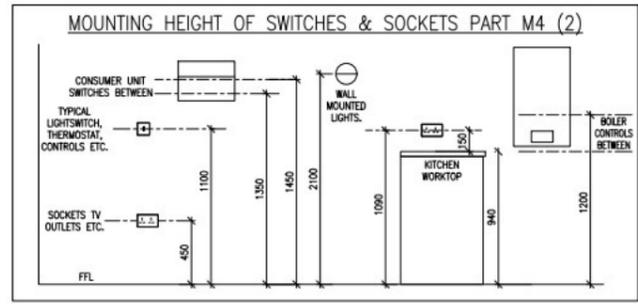


ELECTRICAL SERVICES

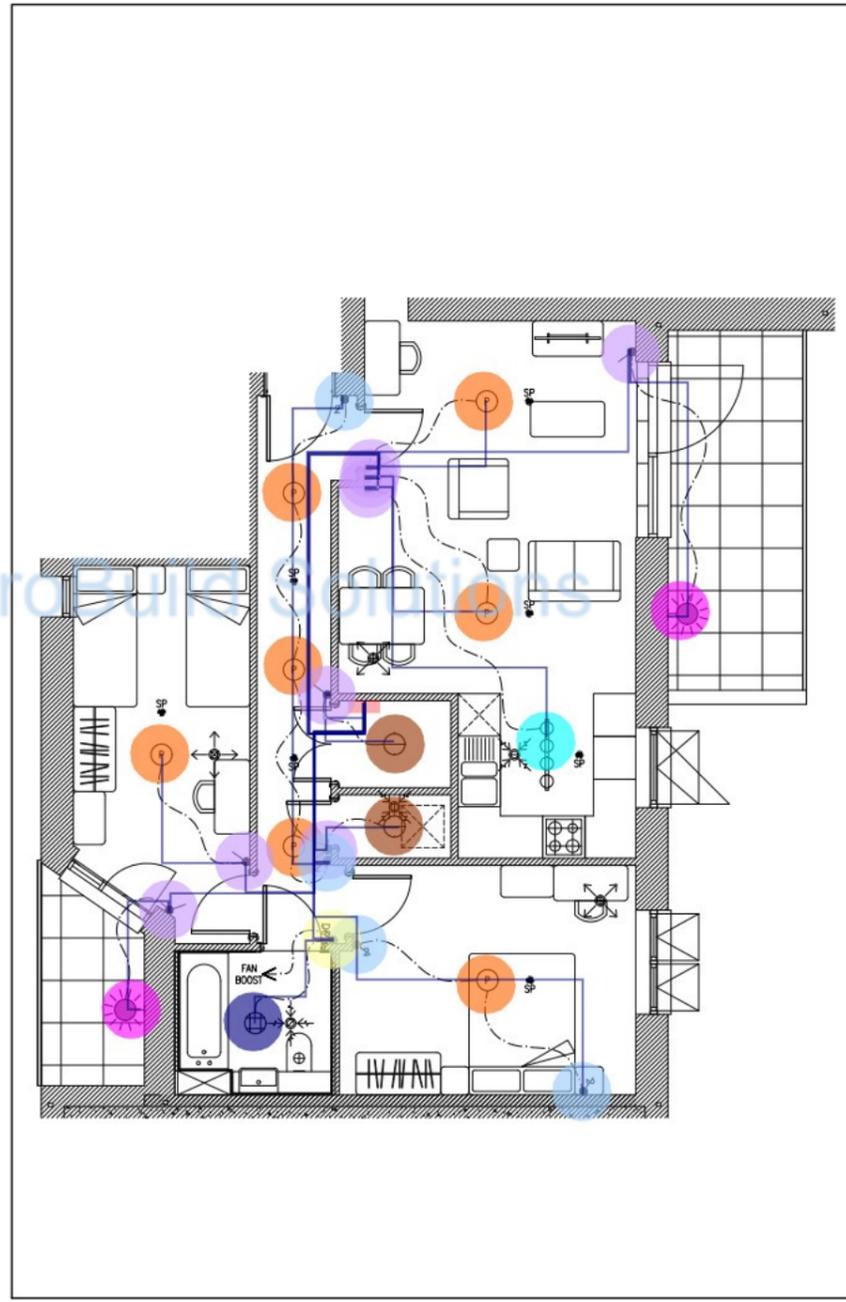


LIGHTING SERVICES

• A03 - Switched doubl...	14.0 EA
• A03 - Shaver socket	1.0 EA
• A03 - Switched fused c...	1.0 EA
• A03 - Switched fused c...	1.0 EA
• A03 - Switched fused c...	1.0 EA
• A03 - Switched fused c...	1.0 EA
• A03 - Switched fused c...	1.0 EA
• A03 - Switched fused c...	1.0 EA
• A03 - Switched fused c...	1.0 EA
• A03 - Unswitched fused...	1.0 EA
• A03 - Unswitched singl...	1.0 EA
• A03 - Door bell push bu...	1.0 EA
• A03 - Door bell sounder	1.0 EA
• A03 - Door entry handset	2.0 EA
• A03 - TV Arrangement A	1.0 EA
• A03 - TV Arrangement B	2.0 EA
• A03 - Telephone/Data o...	1.0 EA
• A03 - Fire alarm - Smo...	5.0 EA
• A03 - Fire alarm - Heat ...	1.0 EA
• A03 - Light - IP65 PIR ...	3.0 EA
• A03 - Pendant light	7.0 EA
• A03 - Adjustable light	1.0 EA
• A03 - Light - Batten lam...	2.0 EA
• A03 - Bulkhead light	2.0 EA
• A03 - Light switch 1 way	8.0 EA
• A03 - Light switch 2 way	4.0 EA
• A03 - Light switch inter...	1.0 EA
• A03 - Light switch doubl...	1.0 EA
• A03 - Consumer unit	1.0 EA
• A03 - Television distribu...	1.0 EA
• A03 - BT Distribution po...	1.0 EA
▣ A03 - 2#1.5, 1#1.5G ...	120.9 M
▣ A03 - Coaxial cable	32.4 M
▣ A03 - CAT 6 Cable 1 run	41.8 M
▣ A03 - 2#1.5, 1#1.5G W...	28.6 M
▣ A03 - 2#2.5, 1#2.5G ...	106.8 M
• A03 - Cooker control unit	1.0 EA
• A03 - ASHP	1.0 EA
▣ A03 - 2#10, 1#10G Wir...	10.6 M
▣ A03 - 2#4, 1#4G Wire i...	12.2 M



ELECTRICAL SERVICES



LIGHTING SERVICES

● A04 - Switched dou...	13.0 EA	●	SEE FIGURED DIMENSIONS ON SITE.
● A04 - Shaver socket	1.0 EA	●	
● A04 - Switched fused...	1.0 EA	●	
● A04 - Switched fused...	1.0 EA	●	
● A04 - Switched fused...	1.0 EA	●	
● A04 - Switched fused...	1.0 EA	●	
● A04 - Unswitched fus...	1.0 EA	●	
● A04 - Unswitched sin...	1.0 EA	●	
● A04 - Door bell push ...	1.0 EA	●	
● A04 - Door bell soun...	1.0 EA	●	
● A04 - Door entry han...	1.0 EA	●	
● A04 - TV Arrangemen...	1.0 EA	●	
● A04 - TV Arrangemen...	2.0 EA	●	
● A04 - Fire alarm - S...	7.0 EA	●	
● A04 - Fire alarm - He...	1.0 EA	●	
● A04 - Light - IP65 Pl...	2.0 EA	●	
● A04 - Pendant light	7.0 EA	●	
● A04 - Adjustable light	1.0 EA	●	
● A04 - Light - Batten l...	2.0 EA	●	
● A04 - Bulkhead light	1.0 EA	●	
● A04 - Light switch 1 ...	8.0 EA	●	
● A04 - Light switch 2 ...	4.0 EA	●	
● A04 - Light switch do...	1.0 EA	●	
● A04 - Consumer unit	1.0 EA	●	
● A04 - Television distri...	1.0 EA	●	
● A04 - BT Distribution ...	1.0 EA	●	
■ A04 - 2#1.5, 1#1.5G ...	99.1 M	■	
■ A04 - Coaxial cable	25.6 M	■	
■ A04 - CAT 6 Cable 1 ...	15.9 M	■	
■ A04 - 2#1.5, 1#1.5G ...	31.5 M	■	
■ A04 - 2#2.5, 1#2.5G ...	75.9 M	■	
● A04 - Cooker control ...	1.0 EA	●	
● A04 - ASHP	1.0 EA	●	
■ A04 - 2#10, 1#10G ...	13.8 M	■	
■ A04 - 2#4, 1#4G Wire ...	6.8 M	■	

SE FIGURED DIMENSIONS ON SITE.

LOW LEVEL FROM BELOW TO BELOW.

OUTLET (13AMP).

OUTLET NOTES:

OUTLET ENOTES: OR: DOOF (P66).

SECTION UNIT (13AMP).

ARM.

ION UNIT (13AMP).

ATOR. CT FAN. EZER. FACE UNIT. ST.

CHINE. HANDLE.

CYLINDER.

PONT. OUTLET. (SEE DETAIL A). (SEE DETAIL B).

SMOKE HEAT.

SMOKE HEAT.

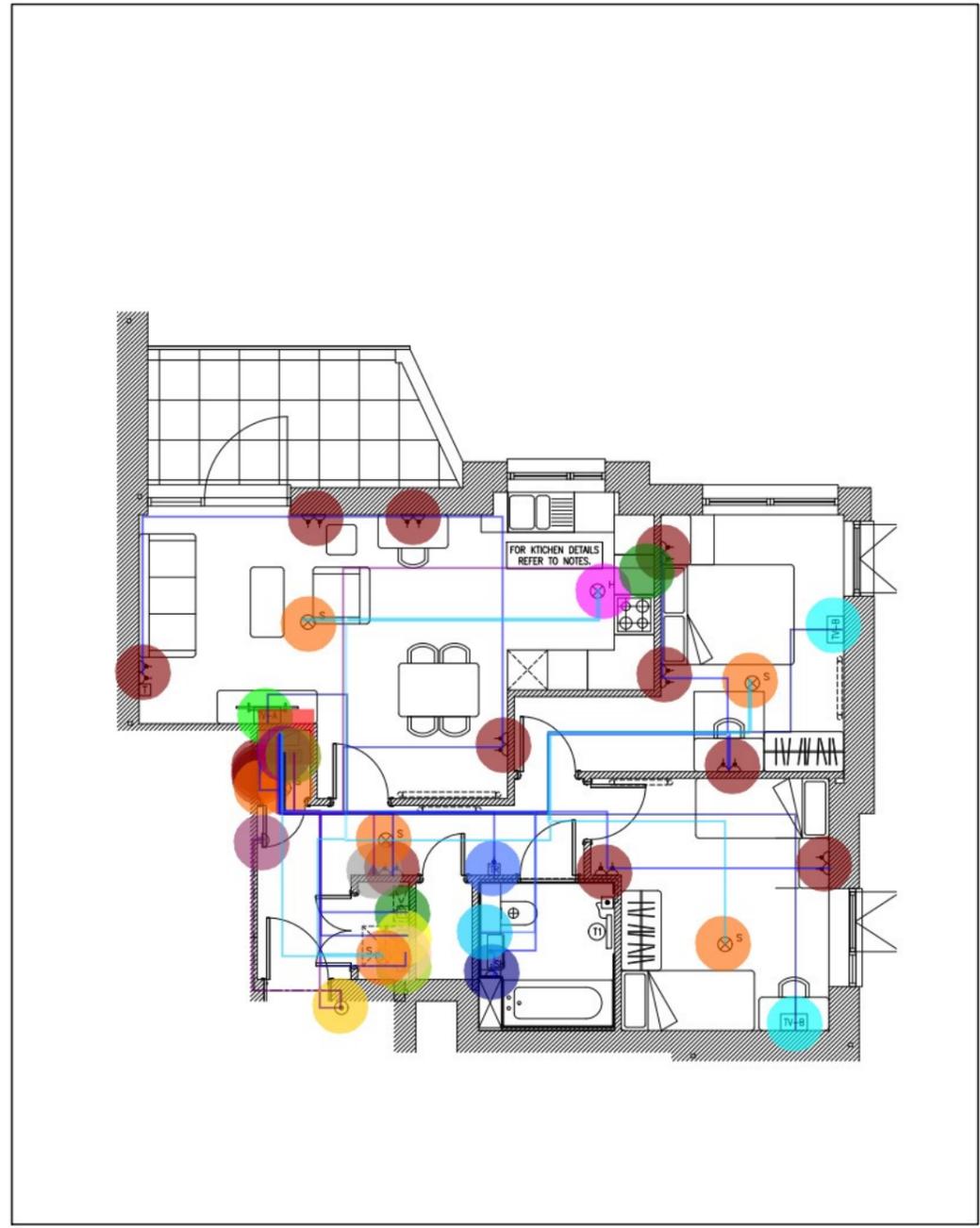
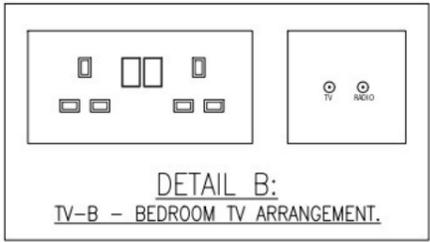
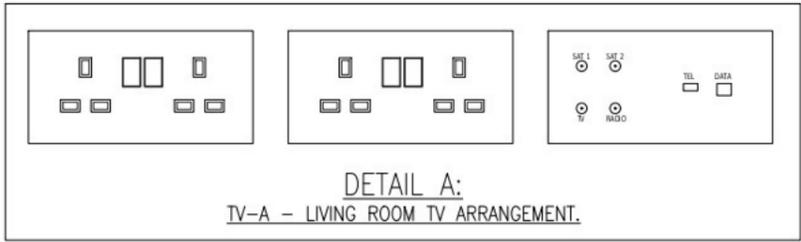
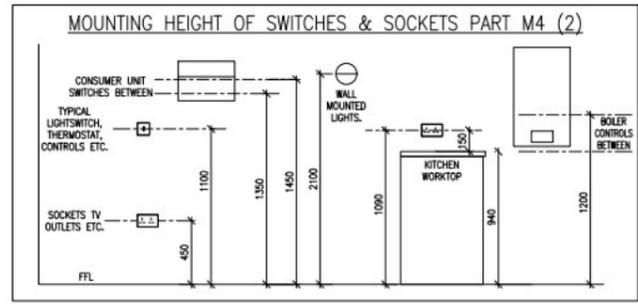
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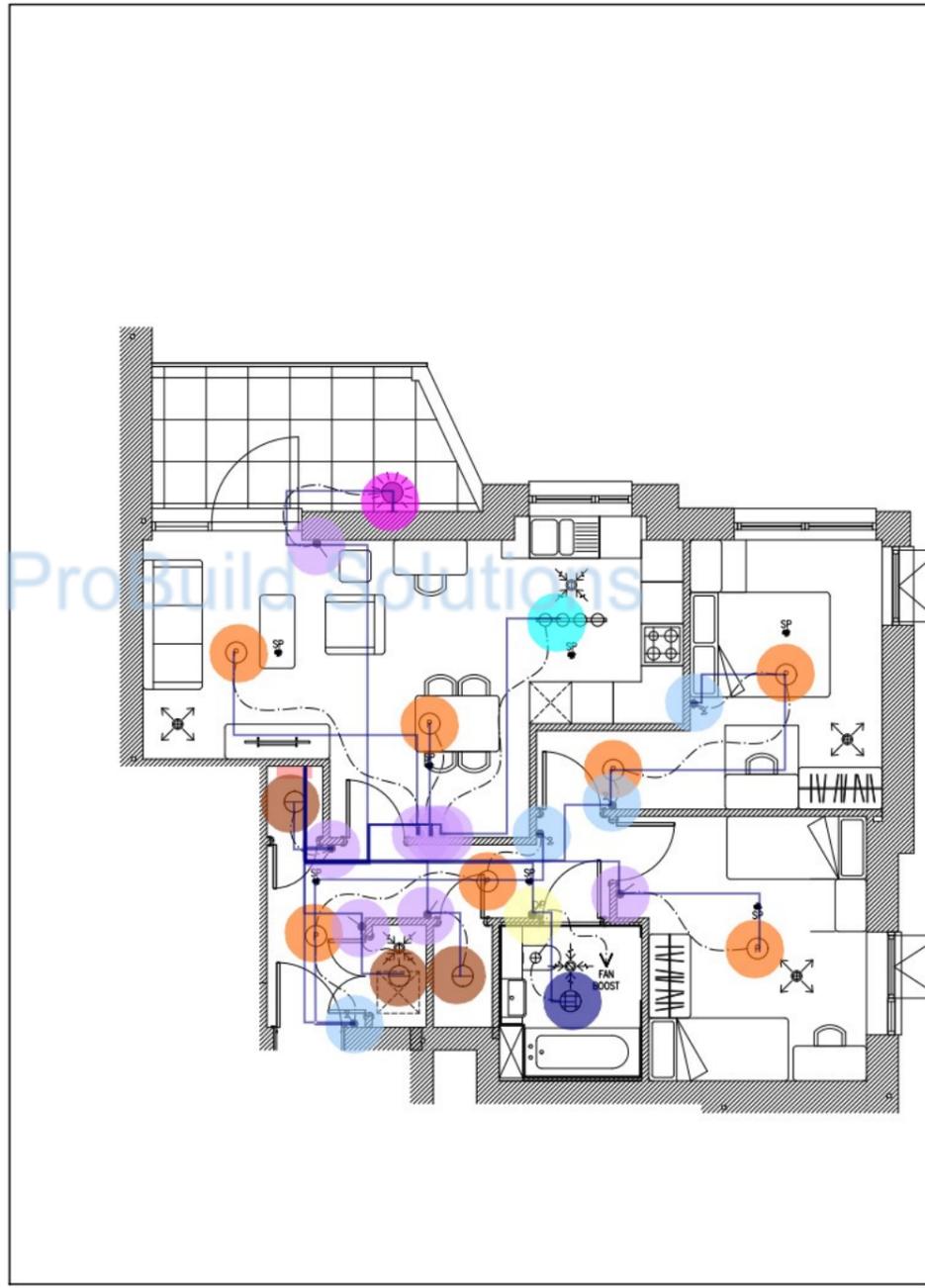
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Date
AUG '22

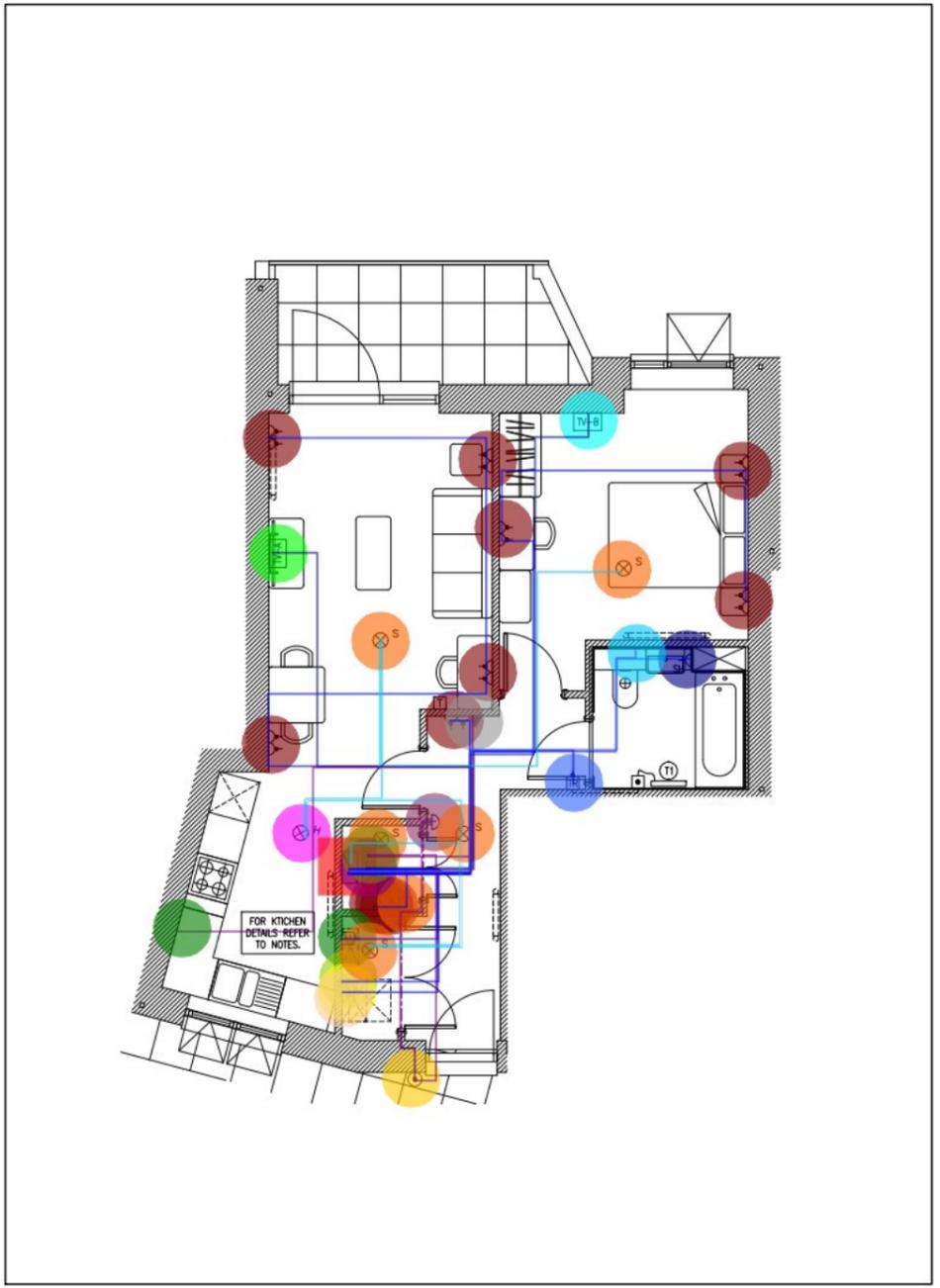
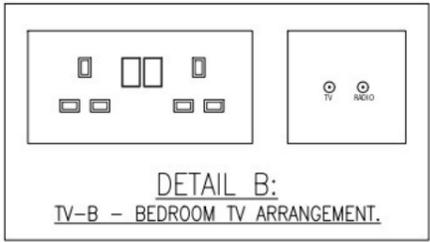
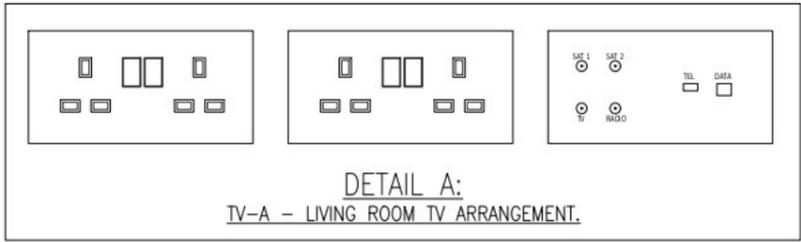
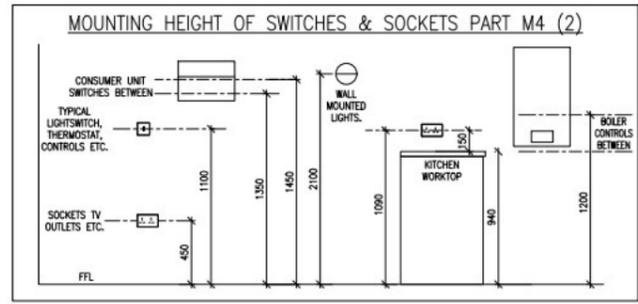


ELECTRICAL SERVICES

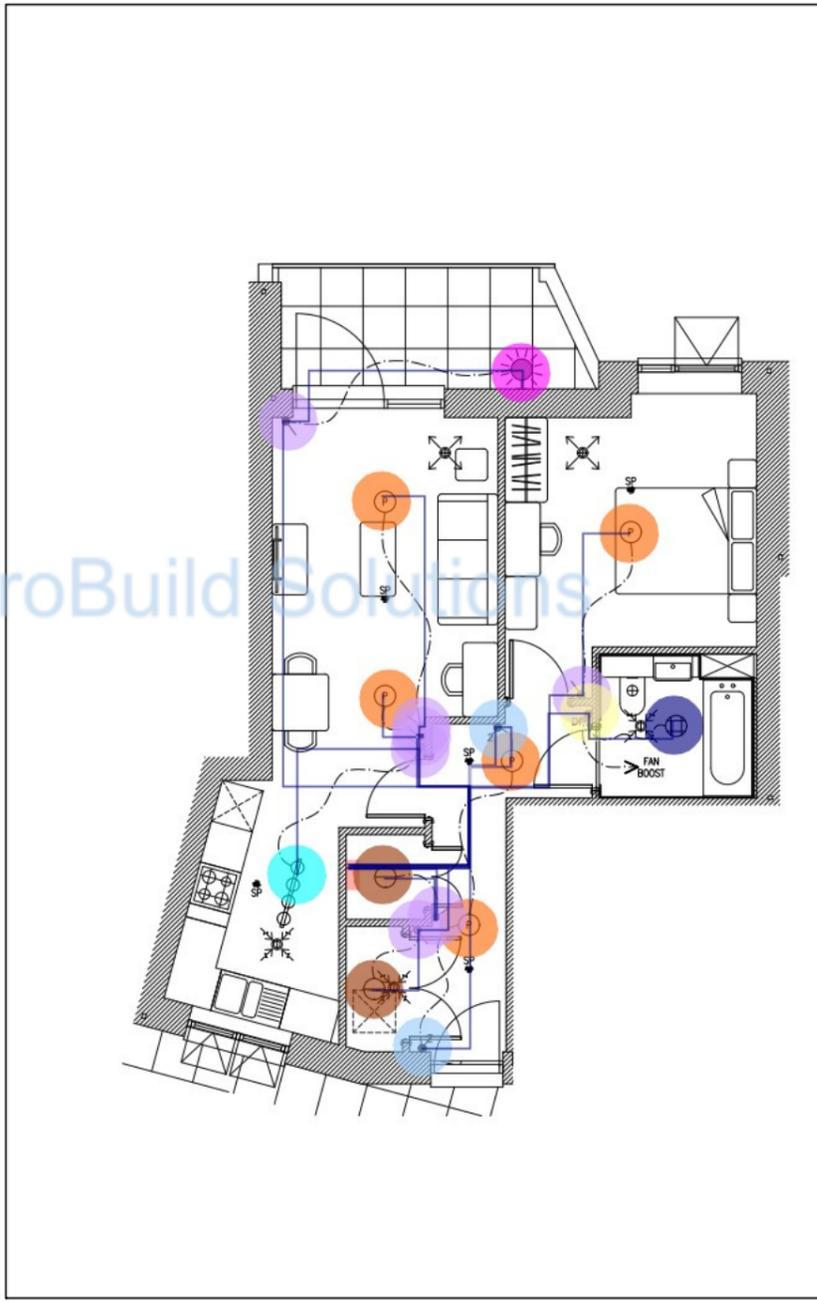


LIGHTING SERVICES

● A05 - Switched dou...	13.0 EA	●
● A05 - Shaver socket	1.0 EA	●
● A05 - Switched fused...	1.0 EA	●
● A05 - Switched fused...	1.0 EA	●
● A05 - Switched fused...	1.0 EA	●
● A05 - Switched fused...	1.0 EA	●
● A05 - Unswitched fus...	1.0 EA	●
● A05 - Unswitched sin...	1.0 EA	●
● A05 - Door bell push ...	1.0 EA	●
● A05 - Door bell soun...	1.0 EA	●
● A05 - Door entry han...	1.0 EA	●
● A05 - TV Arrangemen...	1.0 EA	●
● A05 - TV Arrangemen...	2.0 EA	●
● A05 - Fire alarm - S...	6.0 EA	●
● A05 - Fire alarm - He...	1.0 EA	●
● A05 - Light - IP65 Pl...	1.0 EA	●
● A05 - Pendant light	7.0 EA	●
● A05 - Adjustable light	1.0 EA	●
● A05 - Light - Batten l...	3.0 EA	●
● A05 - Bulkhead light	1.0 EA	●
● A05 - Light switch 1 ...	8.0 EA	●
● A05 - Light switch 2 ...	4.0 EA	●
● A05 - Light switch do...	1.0 EA	●
● A05 - Consumer unit	1.0 EA	●
● A05 - Television distri...	1.0 EA	●
● A05 - BT Distribution ...	1.0 EA	●
■ A05 - 2#1.5, 1#1.5G ...	86.4 M	■
■ A05 - Coaxial cable	29.3 M	■
■ A05 - CAT 6 Cable 1 ...	11.6 M	■
■ A05 - 2#1.5, 1#1.5G ...	42.5 M	■
■ A05 - 2#2.5, 1#2.5G ...	75.2 M	■
● A05 - Cooker control ...	1.0 EA	●
● A05 - ASHP	1.0 EA	●
■ A05 - 2#10, 1#10G ...	10.5 M	■
■ A05 - 2#4, 1#4G Wire ...	7.7 M	■



ELECTRICAL SERVICES



LIGHTING SERVICES

• A06 - Switched dou...	11.0 EA	●
• A06 - Shaver socket	1.0 EA	●
• A06 - Switched fused...	1.0 EA	●
• A06 - Switched fused...	1.0 EA	●
• A06 - Switched fused...	1.0 EA	●
• A06 - Switched fused...	1.0 EA	●
• A06 - Unswitched fus...	1.0 EA	●
• A06 - Unswitched sin...	1.0 EA	●
• A06 - Door bell push ...	1.0 EA	●
• A06 - Door bell soun...	1.0 EA	●
• A06 - Door entry han...	1.0 EA	●
• A06 - TV Arrangemen...	1.0 EA	●
• A06 - TV Arrangemen...	1.0 EA	●
• A06 - Fire alarm - S...	5.0 EA	●
• A06 - Fire alarm - He...	1.0 EA	●
• A06 - Light - IP65 Pl...	1.0 EA	●
• A06 - Pendant light	5.0 EA	●
• A06 - Adjustable light	1.0 EA	●
• A06 - Light - Batten l...	2.0 EA	●
• A06 - Bulkhead light	1.0 EA	●
• A06 - Light switch 1 ...	7.0 EA	●
• A06 - Light switch 2 ...	2.0 EA	●
• A06 - Light switch do...	1.0 EA	●
• A06 - Consumer unit	1.0 EA	●
• A06 - Television distri...	1.0 EA	●
• A06 - BT Distribution ...	1.0 EA	●
⌋ A06 - 2#1.5, 1#1.5G ...	70.1 M	■
⌋ A06 - Coaxial cable	18.7 M	■
⌋ A06 - CAT 6 Cable 1 ...	12.4 M	■
⌋ A06 - 2#1.5, 1#1.5G ...	22.8 M	■
⌋ A06 - 2#2.5, 1#2.5G ...	63.0 M	■
• A06 - Cooker control ...	1.0 EA	●
• A06 - ASHP	1.0 EA	●
⌋ A06 - 2#10, 1#10G Wi...	9.9 M	■
⌋ A06 - 2#4, 1#4G Wire ...	7.3 M	■

NOTES

1. ALL DIMENSIONS UNLESS OTHERWISE STATED ARE IN MILLIMETERS.

2. ALL DIMENSIONS ON SITE.

3. LEVEL, DOOR, VOID, (RESER), - LOW LEVEL, - FROM BELOW, - TO BELOW.

4. SOCKET OUTLET (13AMP).

5. SOCKET OUTLET 'K' DENOTES: RATED, E-PROOF.

6. SOCKET OUTLET 'X' DENOTES: ADAPTOR, THERPROOF (P66).

7. CONNECTION UNIT (13AMP)

8. PARTY ALARM

9. CONNECTION UNIT (13AMP)

10. ACTINATOR, EXTRACT FAN, INTERFACE UNIT, RE HOST, RAIL, UNIT, WASH MACHINE, STAIRY HANDLE, TOR, WATER CYLINDER.

11. CONSTRUCTION ISSUE

12. CONSTRUCTION ISSUE

13. CONSTRUCTION ISSUE

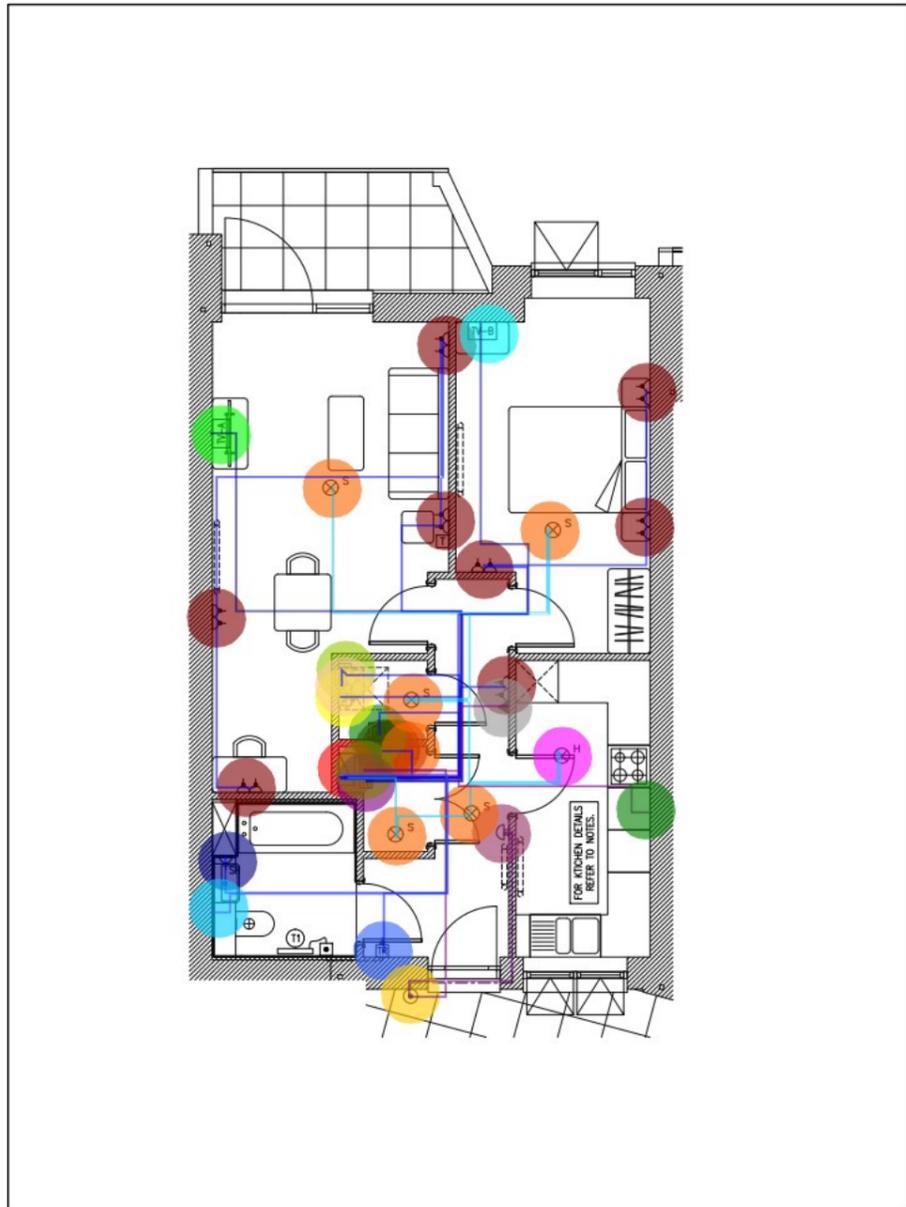
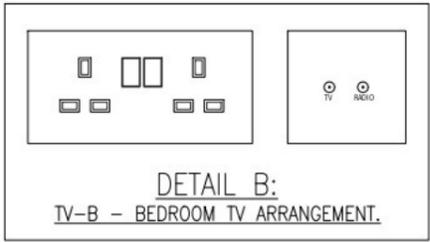
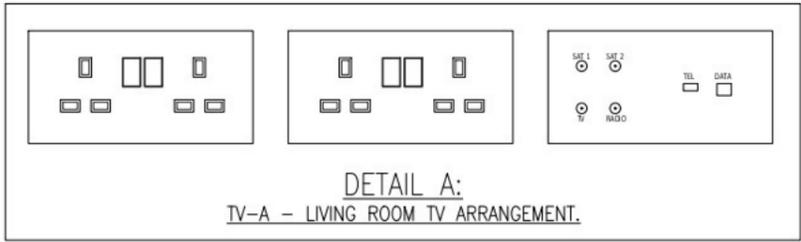
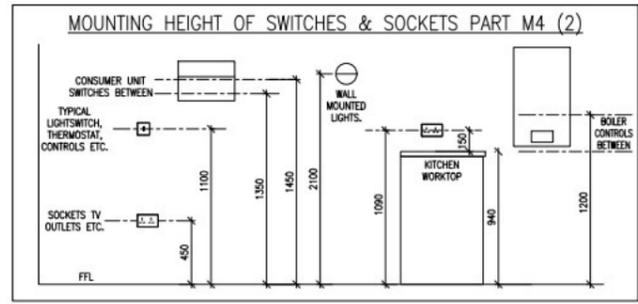
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 15. 100, London NW1 0EE
 16. www.mwl-group.com
 17. group.com

18. WORK

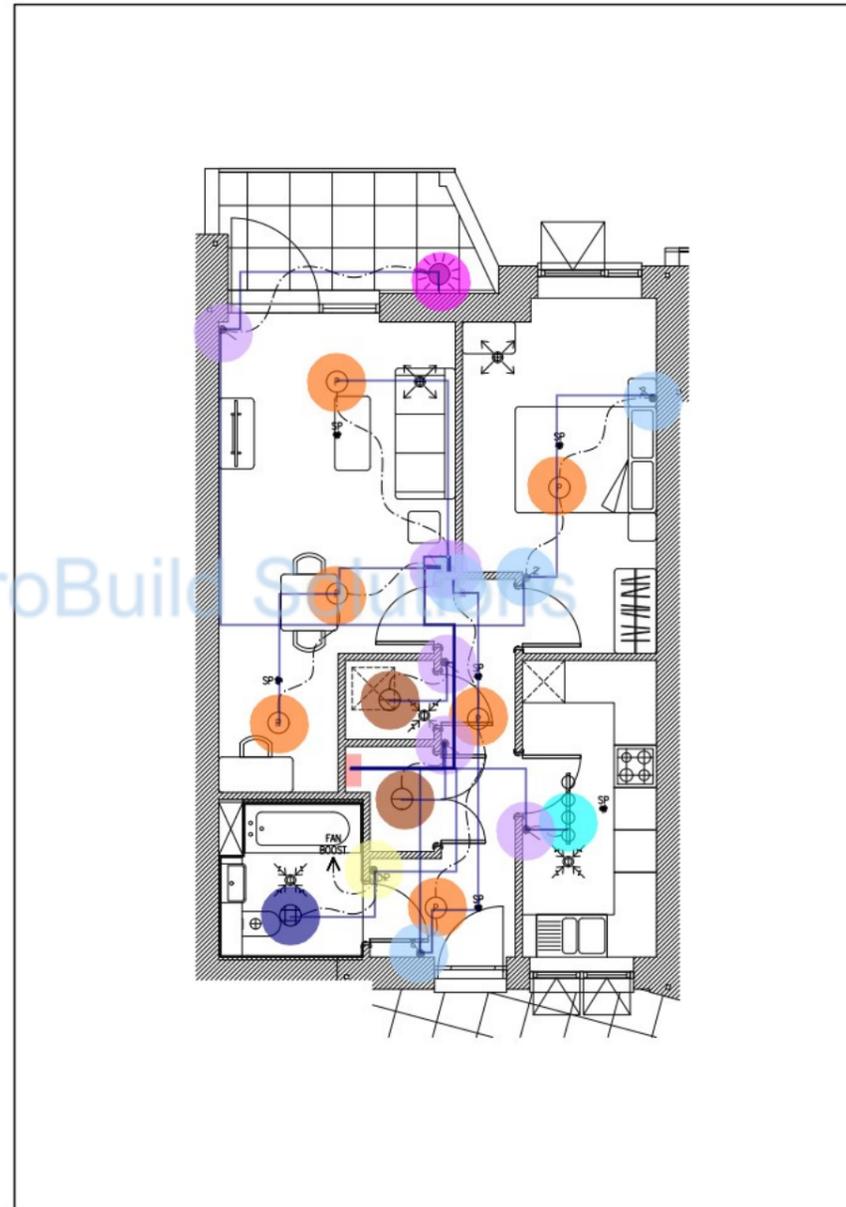
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 SP AUG '22

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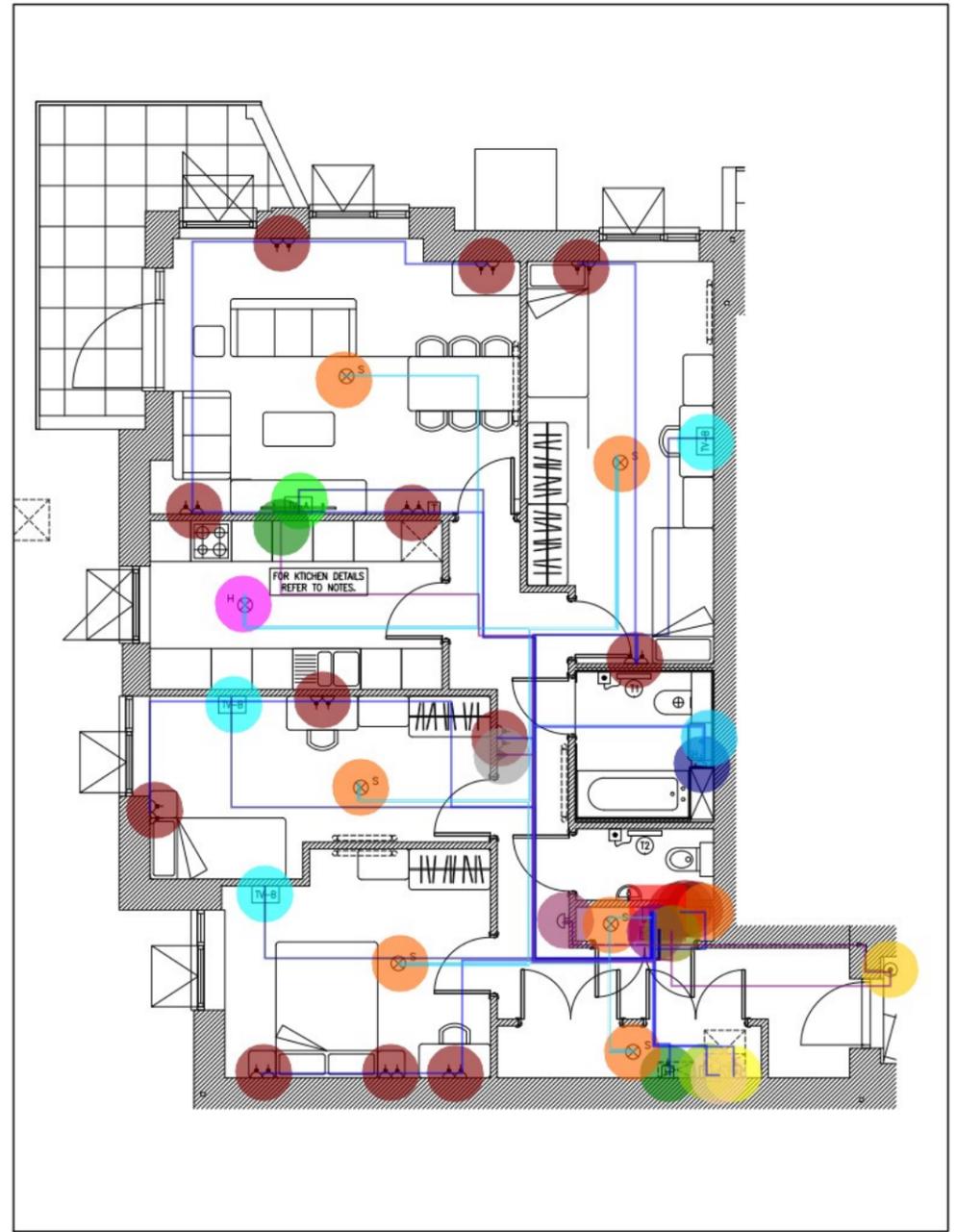
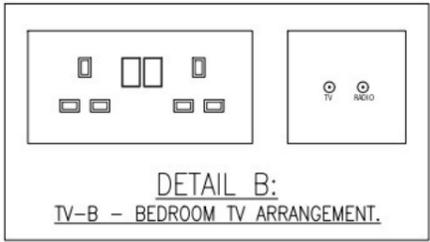
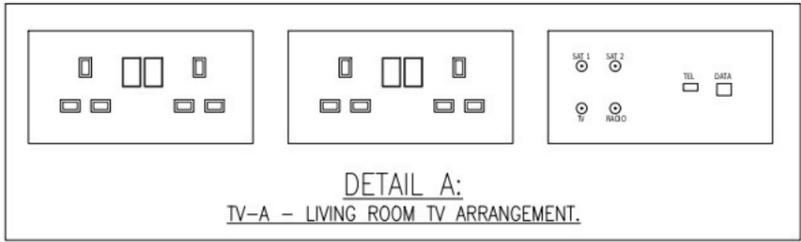
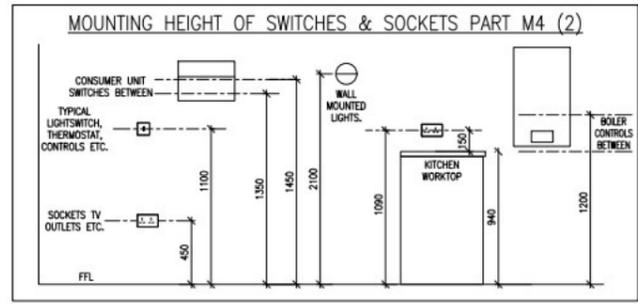


ELECTRICAL SERVICES

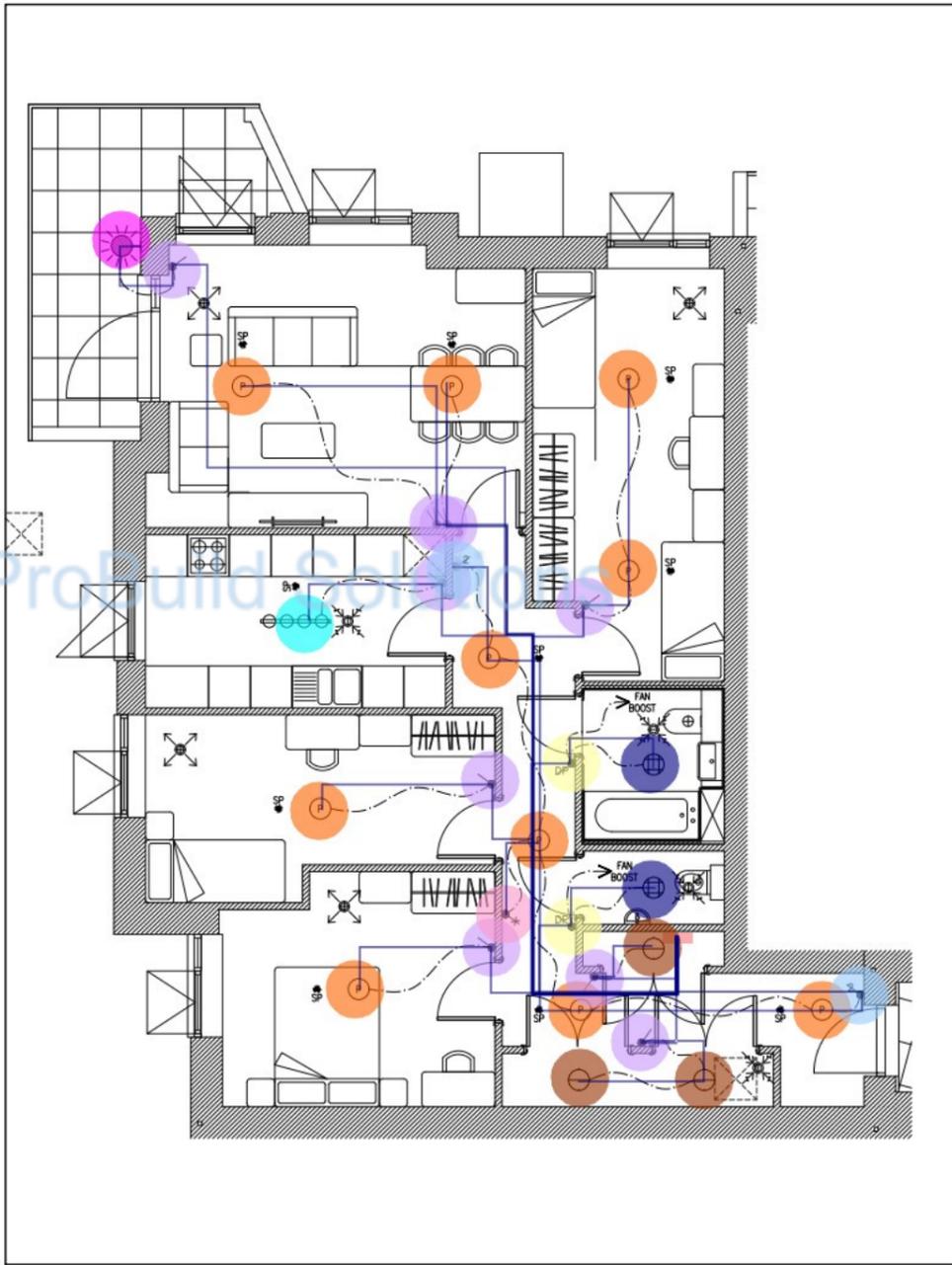


LIGHTING SERVICES

● A08 - Switched dou...	11.0 EA	●
● A08 - Shaver socket	1.0 EA	●
● A08 - Switched fused...	1.0 EA	●
● A08 - Switched fused...	1.0 EA	●
● A08 - Switched fused...	1.0 EA	●
● A08 - Switched fused...	1.0 EA	●
● A08 - Unswitched fus...	1.0 EA	●
● A08 - Unswitched sin...	1.0 EA	●
● A08 - Door bell push ...	1.0 EA	●
● A08 - Door bell soun...	1.0 EA	●
● A08 - Door entry han...	1.0 EA	●
● A08 - TV Arrangemen...	1.0 EA	●
● A08 - TV Arrangemen...	1.0 EA	●
● A08 - Fire alarm - S...	5.0 EA	●
● A08 - Fire alarm - He...	1.0 EA	●
● A08 - Light - IP65 Pl...	1.0 EA	●
● A08 - Pendant light	6.0 EA	●
● A08 - Adjustable light	1.0 EA	●
● A08 - Light - Batten l...	2.0 EA	●
● A08 - Bulkhead light	1.0 EA	●
● A08 - Light switch 1 ...	6.0 EA	●
● A08 - Light switch 2 ...	4.0 EA	●
● A08 - Light switch do...	1.0 EA	●
● A08 - Consumer unit	1.0 EA	●
● A08 - Television distri...	1.0 EA	●
● A08 - BT Distribution ...	1.0 EA	●
■ A08 - 2#1.5, 1#1.5G ...	71.8 M	■
■ A08 - Coaxial cable	19.4 M	■
■ A08 - CAT 6 Cable 1 ...	11.7 M	■
■ A08 - 2#1.5, 1#1.5G ...	19.5 M	■
■ A08 - 2#2.5, 1#2.5G ...	61.2 M	■
● A08 - Cooker control ...	1.0 EA	●
● A08 - ASHP	1.0 EA	●
■ A08 - 2#10, 1#10G Wi...	4.9 M	■
■ A08 - 2#4, 1#4G Wire ...	6.8 M	■



ELECTRICAL SERVICES



LIGHTING SERVICES

- A09 - Switched dou... 15.0 EA
- A09 - Shaver socket 1.0 EA
- A09 - Switched fused... 1.0 EA
- A09 - Switched fused... 1.0 EA
- A09 - Switched fused... 1.0 EA
- A09 - Unswitched fus... 1.0 EA
- A09 - Unswitched sin... 1.0 EA
- A09 - Door bell push ... 1.0 EA
- A09 - Door bell soun... 1.0 EA
- A09 - Door entry han... 1.0 EA
- A09 - TV Arrangemen... 1.0 EA
- A09 - TV Arrangemen... 3.0 EA
- A09 - Fire alarm - S... 6.0 EA
- A09 - Fire alarm - He... 1.0 EA
- A09 - Light - IP65 Pl... 1.0 EA
- A09 - Pendant light 10.0 EA
- A09 - Adjustable light 1.0 EA
- A09 - Light - Batten l... 3.0 EA
- A09 - Bulkhead light 2.0 EA
- A09 - Light switch 1 ... 9.0 EA
- A09 - Light switch 2 ... 2.0 EA
- A09 - Light switch int... 1.0 EA
- A09 - Light switch do... 2.0 EA
- A09 - Consumer unit 1.0 EA
- A09 - Television distri... 1.0 EA
- A09 - BT Distribution ... 1.0 EA
- ▮ A09 - 2#1.5, 1#1.5G... 131.0 M
- ▮ A09 - Coaxial cable 43.3 M
- ▮ A09 - CAT 6 Cable 1 ... 15.9 M
- ▮ A09 - 2#1.5, 1#1.5G ... 42.0 M
- ▮ A09 - 2#2.5, 1#2.5G ... 87.0 M
- A09 - Cooker control ... 1.0 EA
- A09 - ASHP 1.0 EA
- ▮ A09 - 2#10, 1#10G ... 12.7 M
- ▮ A09 - 2#4, 1#4G Wire ... 8.7 M

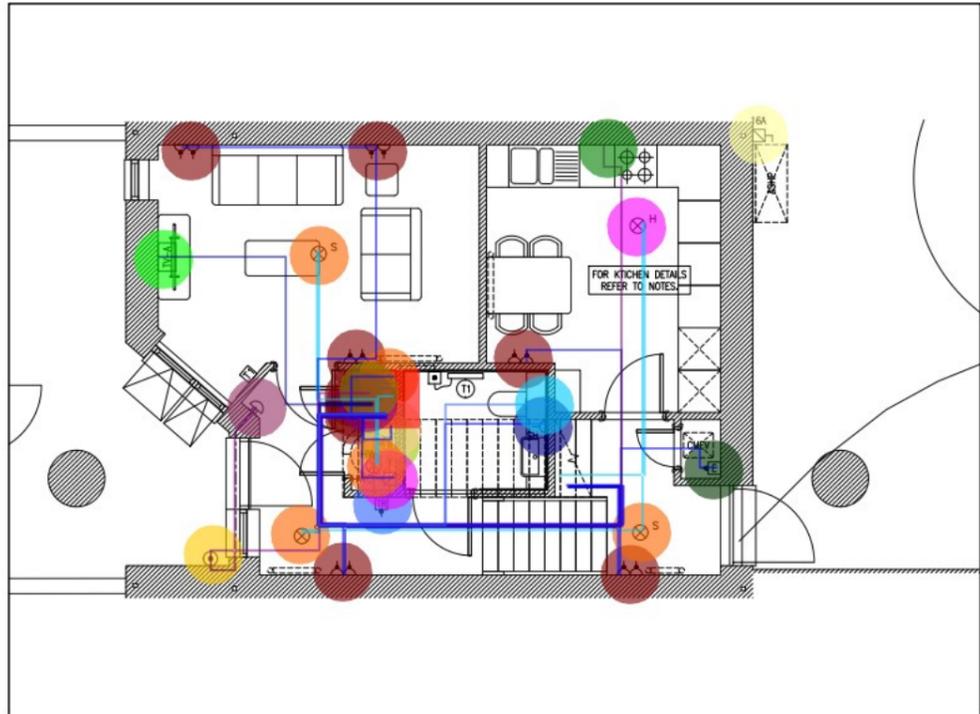
NOTES
 1. DO NOT SCALE FROM THIS DRAWING, USE FIGURED DIMENSIONS ONLY, AND CHECK ALL DIMENSIONS ON SITE.
 2.

KEY - SECURITY: ACCESS CONTROL
 ○ DOOR BELL PUSH BUTTON OUTSIDE APARTMENT TO BE CONNECTED TO DOOR ENTRY HANDSET.
 ○ DOOR BELL SOUNDER.
 ▲ DOOR ENTRY HANDSET.

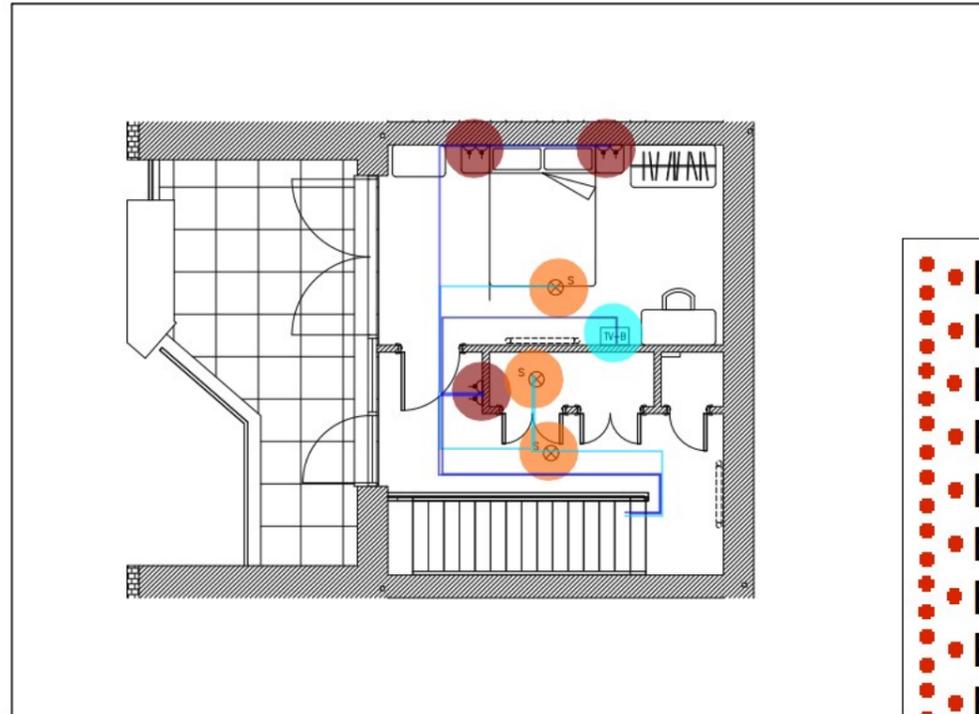
NOTE - ELECTRICS:
 * IN KITCHENS ALLOW FOR:
 ** 3 No. DOUBLE SWITCHED SOCKET OUTLET IN KITCHEN ABOVE WORKTOP SURFACE.
 *** INDIVIDUAL SWITCHED FUSED SPURS WITH CORRECT APPLIANCE LABELLED WITH NEON INDICATORS FOR EACH APPLIANCE TO BE LOCATED IN KITCHEN AREA, SO IT'S READILY ACCESSIBLE, SOCKET OUTLETS BELOW WORKTOP, TO INCLUDE:
 *** HOB
 *** OVEN

KEY - GENERAL:
 - - - SERVICES AT LOW LEVEL.
 - - - SERVICES BELOW FLOOR.
 - - - SERVICES IN CEILING VOID.
 • SERVICES IN VERTICAL (RISER).
 H/L - HIGH LEVEL. L/L - LOW LEVEL.
 F/A - FROM ABOVE. F/B - FROM BELOW.
 T/A - TO ABOVE. T/B - TO BELOW.

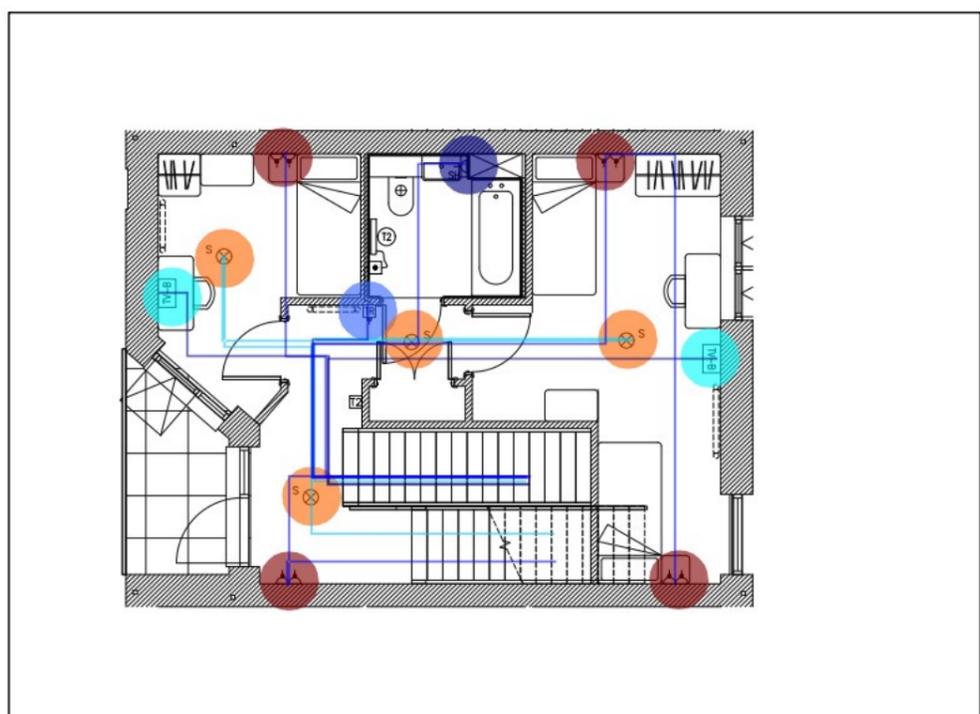
KEY - POWER:
 □ ELECTRICITY METER.
 □ CONSUMER UNIT.



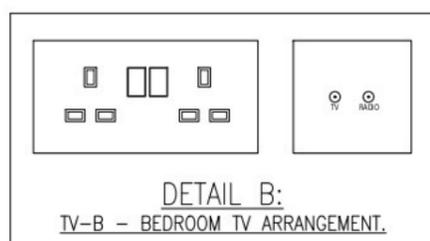
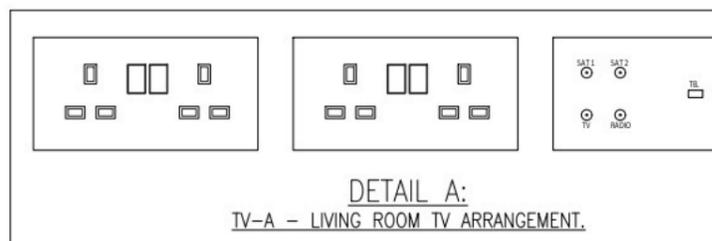
**ELECTRICAL SERVICES
LEVEL L00**



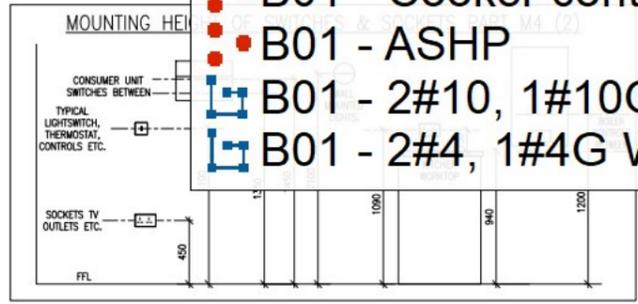
**ELECTRICAL SERVICES
LEVEL L02**



**ELECTRICAL SERVICES
LEVEL L01**



- B01 - Switched dou... 16.0 EA
- B01 - Shaver socket 2.0 EA
- B01 - Switched fused... 1.0 EA
- B01 - Switched fused... 2.0 EA
- B01 - Unswitched fus... 1.0 EA
- B01 - Unswitched sin... 1.0 EA
- B01 - Door bell push ... 1.0 EA
- B01 - Door bell soun... 1.0 EA
- B01 - Double pole iso... 1.0 EA
- B01 - Switched fused... 1.0 EA
- B01 - SPN Isolator 1.0 EA
- B01 - TV Arrangemen... 1.0 EA
- B01 - TV Arrangemen... 3.0 EA
- B01 - Fire alarm - S... 11.0 EA
- B01 - Fire alarm - He... 1.0 EA
- B01 - Consumer unit 1.0 EA
- B01 - Television distri... 1.0 EA
- B01 - BT Distribution ... 1.0 EA
- B01 - Coaxial cable 56.5 M
- B01 - CAT 6 Cable 1 run 7.6 M
- B01 - 2#1.5, 1#1.5G ... 59.1 M
- B01 - 2#2.5, 1#2.5G... 148.0 M
- B01 - Cooker control ... 1.0 EA
- B01 - ASHP 1.0 EA
- B01 - 2#10, 1#10G ... 12.5 M
- B01 - 2#4, 1#4G Wire ... 7.5 M



SHEET 01			
Scale 1:50	Size A1	Engineer SP	Date AUG '22
Drawing No. BDL1241-MWL-BB-XX-DR-MEP-62411 C02		Rev	

ProBuild Solutions

NOTES

- DO NOT SCALE FROM THIS DRAWING, USE FIGURED DIMENSIONS ONLY, AND CHECK ALL DIMENSIONS ON SITE.
-

KEY - GENERAL:

- SERVICES AT LOW LEVEL.
- SERVICES BELOW FLOOR.
- SERVICES IN CEILING VOID.
- SERVICES IN VERTICAL (RISER).

H/L - HIGH LEVEL. L/L - LOW LEVEL.
 F/A - FROM ABOVE. F/B - FROM BELOW.
 T/A - TO ABOVE. T/B - TO BELOW.

KEY - LIGHTING:

- PERM - PERMANENTLY ON LIGHTING.
- T/S - TIME SWITCH CONTROLLED LIGHTING.
- E - EMERGENCY LUMINAIRE.
- (P) - CEILING MOUNTED PENDANT LIGHT FITTING.
- (X) - WALL MOUNTED LIGHT FITTING.
- (H) - BATTEN LAMPHOLDER - WALL/CEILING LIGHT FITTING.
- (H) - BULKHEAD LIGHT FITTING - WALL/CEILING MOUNTED.
- (S) - ADJUSTABLE SPOTLIGHT LIGHT FITTING.

KEY - LIGHTING (EXTERNAL):

- IP65 - IP65 RATED EXTERNAL WALL MOUNTED LIGHT FITTING.
- (S) - IP65 RATED EXTERNAL WALL MOUNTED LIGHT FITTING PIR CONTROLLED.

KEY - LIGHTING (SWITCHING):

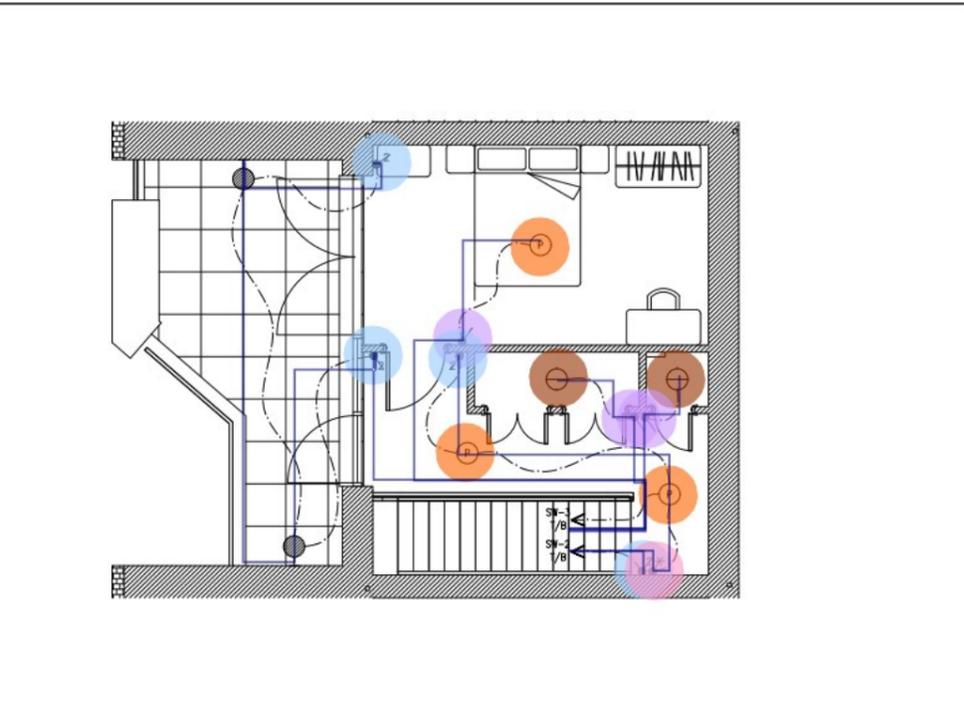
- (S) - LIGHT SWITCH - 1 WAY.
- (S) - LIGHT SWITCH - 2 WAY.
- (S) - LIGHT SWITCH - DOUBLE POLE.
- (S) - LIGHT SWITCH - INTERMEDIATE.

NOTE - ELECTRICS:

- IN KITCHENS ALLOW FOR:
 - 3 No. DOUBLE SWITCHED SOCKET OUTLET IN KITCHEN ABOVE WORKTOP SURFACE.
 - INDIVIDUAL SWITCHED FUSED SPURS WITH CORRECT APPLIANCE LABELLED WITH NEON INDICATORS FOR EACH APPLIANCE TO BE LOCATED IN KITCHEN AREA, SO IT'S READILY ACCESSIBLE, SOCKET OUTLETS BELOW WORKTOP, TO INCLUDE:
 - HOB
 - OVEN
 - DISHWASHER
 - FRIDGE/FREEZER
 - RE-CIRCULATION COOKER HOOD
 - CHEF FAN BOOST SWITCH (UNLESS CONTROLLED INDEPENDENTLY).
 - SPARE
 - SPARE
 - ALL SWITCHES & SOCKETS TO BE A MINIMUM 300mm AWAY FROM THE ELECTRIC HOB/COOKER.
 - ALL SWITCHES & SOCKETS TO BE A MINIMUM 300mm AWAY FROM SINK BOWL & DRAINER.
 - POSITION UNSWITCHED SINGLE SOCKETS BEHIND EACH APPLIANCE.
 - EXACT SETTING OUT WITH DIMENSIONS OF SOCKET/SWITCHED IN KITCHEN TO BE BY OTHERS.
- VIDEO ENTRY SYSTEMS AND SWITCHES TO BE MOUNTED AT THE SAME LEVEL. REFER TO ARCHITECT SETTING OUT DRAWINGS.
- SPRINKLER SPECIALIST TO CO-ORDINATE SPRINKLER HEADS WITH REFLECTED CEILING PLAN (RCP) AND SUBMIT TO CLIENT FOR APPROVAL PRIOR TO INSTALLATION ON SITE.
- CONSUMER UNIT MCB SWITCHES ARE TO BE BETWEEN 1350 & 1450mm AFFL.
- FIRE ALARM SYSTEM SHALL BE BS 5839-6:2013 CATEGORY LD1 GRADE D.
- REFER TO FIRE STRATEGY REPORT FOR FURTHER DETAILS REGARDING SPECIFIC AREAS.
- REFER TO ELECTRICAL SPECIFICATION FOR DETAILS OF ALL ELECTRICAL SERVICES WITHIN DWELLINGS. NOTE THAT NOT ALL ELECTRICAL ELEMENTS ARE NECESSARILY SHOWN ON THE DWELLING LAYOUTS AND IT IS INCUMBENT UPON THE ELECTRICAL CONTRACTOR TO ENSURE ALL SERVICES ARE PROVIDED IN LINE WITH THE WRITTEN SPECIFICATION.
- GROUP ALL DP GRID SWITCHES IN SUITABLE MULTI-GANG PLATE AND 35mm DEEP BACK BOX INSTALLED AT COUNTER LEVEL. REFER TO ARCHITECT'S SETTING OUT DRAWINGS FOR FINAL POSITIONS.
- ALLOW FOR BATHROOM(S)/KITCHEN EXTRACT FAN BOOST OPERATION VIA BATHROOM LIGHTING SWITCH OR VIA DEDICATED FAN BOOST SWITCH IN KITCHEN AS APPROPRIATE. INSTALL KITCHEN BOOST SWITCH WITHIN MULTIGANG GRID SWITCH.
- ALL SETTING OUT TO BE IN ACCORDANCE WITH THE ARCHITECT'S ROOMS ELEVATIONS, KITCHEN PLANS, ELEVATIONS AND RCPs.
- AVOID FOR ELECTRICAL ACCESSORIES TO BE INSTALLED BACK TO BACK IN PARTY WALLS BETWEEN ADJOINING UNITS. CONSUMER UNITS MUST BE INSTALLED BETWEEN 1350mm AND 1450mm ABOVE FFL AND SO THAT THEY HAVE A 1m FALL BACK SPACE IN FRONT OF THE UNIT.
- FINAL EQUIPMENT AND SETTING OUT TO BE CONFIRMED BY KITCHEN SPECIALIST.
- EXTERNAL LIGHT TO BE CONTROLLED VIA LIGHT SWITCH WITH



**LIGHTING SERVICES
LEVEL L00**

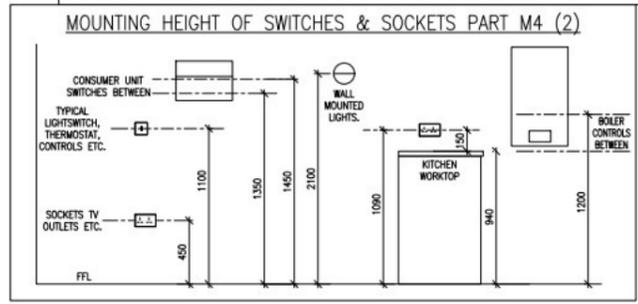


**LIGHTING SERVICES
LEVEL L02**



**LIGHTING SERVICES
LEVEL L01**

- B01 - Light - IP65 Pl... 2.0 EA
- B01 - Pendant light 15.0 EA
- B01 - Adjustable light 1.0 EA
- B01 - Light - Batten l... 4.0 EA
- B01 - Bulkhead light 2.0 EA
- B01 - Light switch 1... 14.0 EA
- B01 - Light switch 2 ... 8.0 EA
- B01 - Light switch in... 4.0 EA
- B01 - Light switch d... 2.0 EA
- B01 - 2#1.5, 1#1.5... 255.0 M



SP	CONSTRUCTION ISSUE
SP	TENDER ISSUE
Chkd	Description

MWL
Mendick Waring Limited
 30/31 Lyme Street, London NW1 0EE
 020 7696 9696
 Web: www.mwl-group.com
 Email: enquiries@mwl-group.com

bugler

Architect: **ALAN CAMP ARCHITECTS**

Project: **LINDEN GROVE, SOUTHWARK LONDON, SE15 3LL**

Drawing: **BLOCK B - TYPICAL FLAT B01 ELECTRICAL SERVICES SHEET 02**

Scale: 1:50	Size: A1	Engineer: SP	Date: AUG '22
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Drawing No. _____ Rev _____

BDL1241-MWL-BB-XX-DR-MEP-62412 C01

ProBuild Solutions

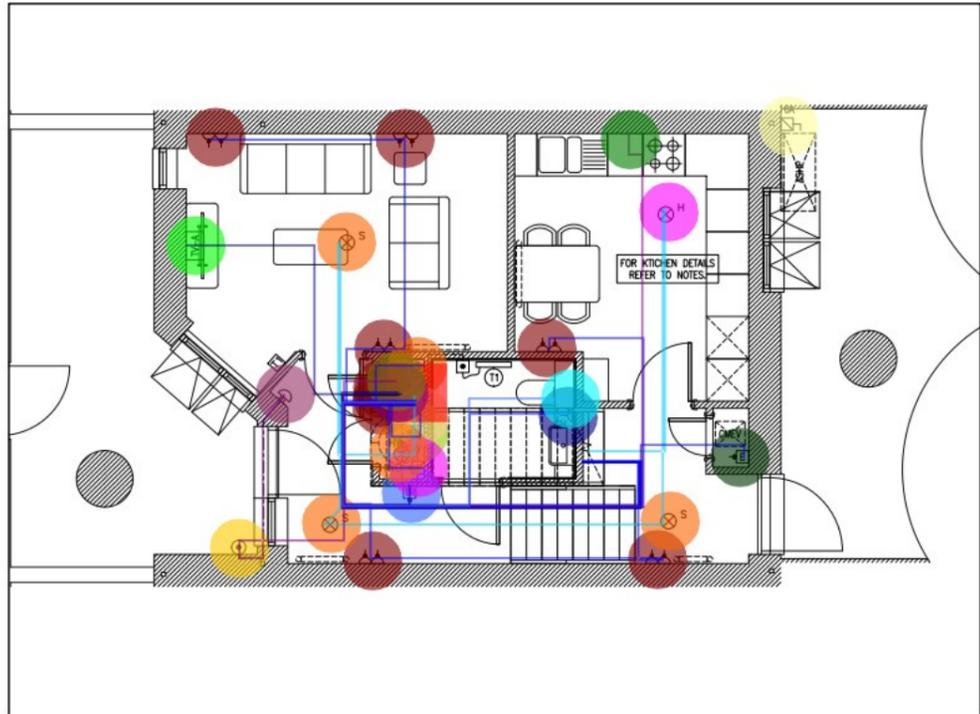
NOTES
 1. DO NOT SCALE FROM THIS DRAWING, USE FIGURED DIMENSIONS ONLY, AND CHECK ALL DIMENSIONS ON SITE.
 2.

KEY - SECURITY: ACCESS CONTROL
 ○ DOOR BELL PUSH BUTTON OUTSIDE APARTMENT TO BE CONNECTED TO DOOR ENTRY HANDSET.
 ○ DOOR BELL SOUNDER.
 ▲ DOOR ENTRY HANDSET.

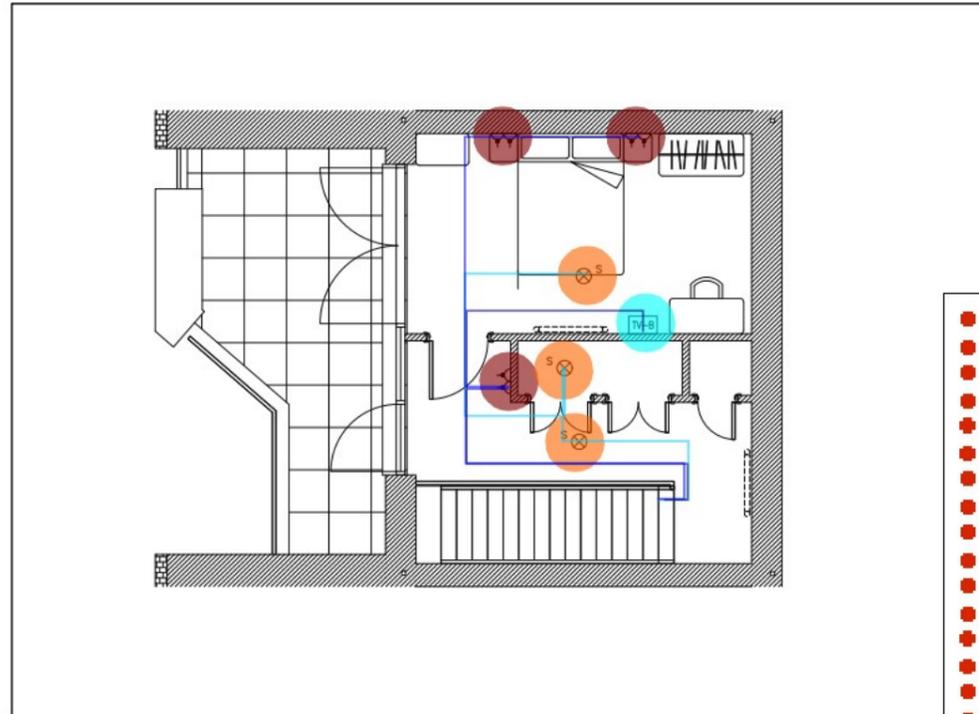
NOTE - ELECTRICS:
 * IN KITCHENS ALLOW FOR:
 ** 3 No. DOUBLE SWITCHED SOCKET OUTLET IN KITCHEN ABOVE WORKTOP SURFACE.
 INDIVIDUAL SWITCHED FUSED SPURS WITH CORRECT APPLIANCE LABELLED WITH NEON INDICATORS FOR EACH APPLIANCE TO BE LOCATED IN KITCHEN AREA, SO IT'S READILY ACCESSIBLE, SOCKET OUTLETS BELOW WORKTOP, TO INCLUDE:
 ... HOB
 ... OVEN
 ... DISHWASHER
 ... FRIDGE/FREEZER
 ... RE-CIRCULATION COOKER HOOD
 ... CMEV FAN BOOST SWITCH (UNLESS CONTROLLED)

KEY - GENERAL:
 --- SERVICES AT LOW LEVEL.
 - - - SERVICES BELOW FLOOR.
 - - - SERVICES IN CEILING VOID.
 • SERVICES IN VERTICAL (RISER).
 H/L - HIGH LEVEL. L/L - LOW LEVEL.
 F/A - FROM ABOVE. F/B - FROM BELOW.
 T/A - TO ABOVE. T/B - TO BELOW.

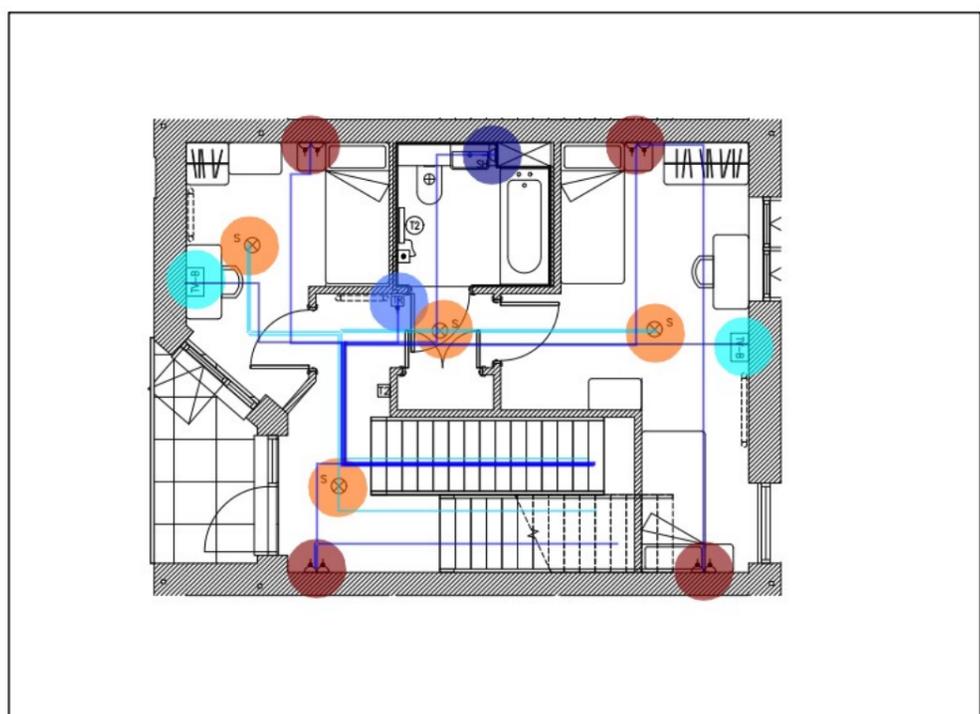
KEY - POWER:
 □ ELECTRICITY METER.
 □ CONSUMER UNIT.
 ○ UNswitched SINGLE SOCKET OUTLET (13AMP).
 ○ SWITCHED SINGLE SOCKET OUTLET WHERE SPECIFIED, 'X' DENOTES:



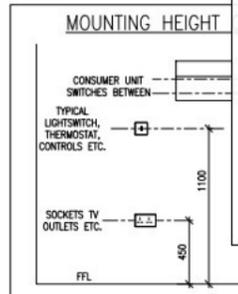
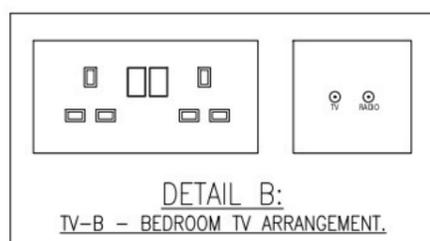
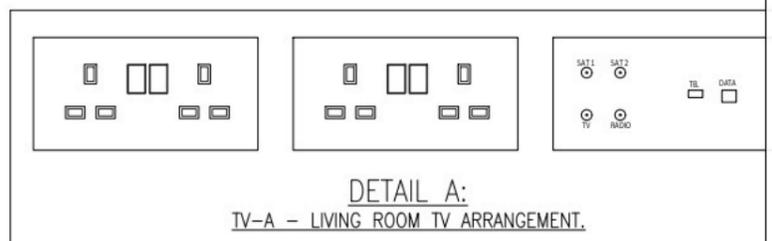
**ELECTRICAL SERVICES
LEVEL L00**



**ELECTRICAL SERVICES
LEVEL L02**



**ELECTRICAL SERVICES
LEVEL L01**



- B02 - Switched dou... 16.0 EA
- B02 - Shaver socket 2.0 EA
- B02 - Switched fused... 1.0 EA
- B02 - Switched fused... 2.0 EA
- B02 - Unswitched fus... 1.0 EA
- B02 - Unswitched sin... 1.0 EA
- B02 - Door bell push ... 1.0 EA
- B02 - Door bell soun... 1.0 EA
- B02 - Double pole iso... 1.0 EA
- B02 - Switched fused... 1.0 EA
- B02 - SPN Isolator 1.0 EA
- B02 - TV Arrangemen... 1.0 EA
- B02 - TV Arrangemen... 3.0 EA
- B02 - Fire alarm - S... 11.0 EA
- B02 - Fire alarm - He... 1.0 EA
- B02 - Consumer unit 1.0 EA
- B02 - Television distri... 1.0 EA
- B02 - BT Distribution ... 1.0 EA
- B02 - Coaxial cable 57.8 M
- B02 - CAT 6 Cable 1 run 7.6 M
- B02 - 2#1.5, 1#1.5G ... 58.2 M
- B02 - 2#2.5, 1#2.5G... 154.8 M
- B02 - Cooker control ... 1.0 EA
- B02 - ASHP 1.0 EA
- B02 - 2#10, 1#10G ... 12.3 M
- B02 - 2#4, 1#4G Wire ... 7.4 M

1:50 A1 SP AUG '22

Drawing No. Rev
 BDL1241-MWL-BB-XX-DR-MEP-62421 C02

ProBuild Solutions

NOTES

- DO NOT SCALE FROM THIS DRAWING, USE FIGURED DIMENSIONS ONLY, AND CHECK ALL DIMENSIONS ON SITE.
-

KEY - GENERAL:

- SERVICES AT LOW LEVEL.
- SERVICES BELOW FLOOR.
- SERVICES IN CEILING VOID.
- SERVICES IN VERTICAL (RISER).

H/L - HIGH LEVEL. L/L - LOW LEVEL.
 F/A - FROM ABOVE. F/B - FROM BELOW.
 T/A - TO ABOVE. T/B - TO BELOW.

KEY - LIGHTING:

- PERM - PERMANENTLY ON LIGHTING.
- T/S - TIME SWITCH CONTROLLED LIGHTING.
- E - EMERGENCY LUMINAIRE.
- (P) - CEILING MOUNTED PENDANT LIGHT FITTING.
- (X) - WALL MOUNTED LIGHT FITTING.
- (X) - BATTEN LAMPHOLDER - WALL/CEILING LIGHT FITTING.
- (X) - BULKHEAD LIGHT FITTING - WALL/CEILING MOUNTED.
- (X) - ADJUSTABLE SPOTLIGHT LIGHT FITTING.

KEY - LIGHTING (EXTERNAL):

- IP65 - IP65 RATED EXTERNAL WALL MOUNTED LIGHT FITTING.
- IP65 - IP65 RATED EXTERNAL WALL MOUNTED LIGHT FITTING FIRE CONTROLLED.

KEY - LIGHTING (SWITCHING):

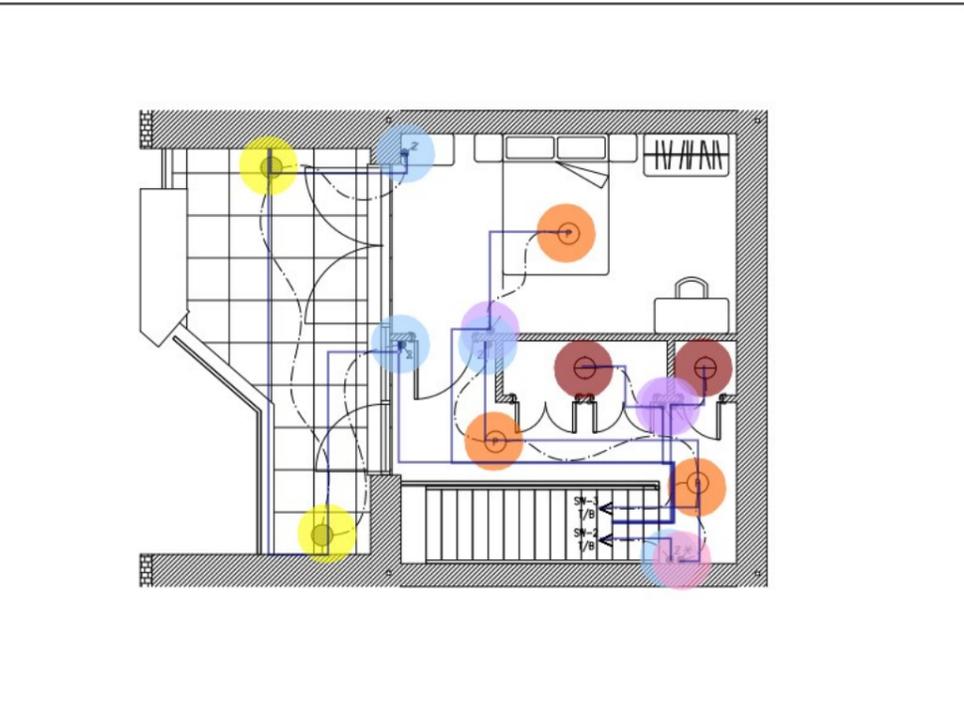
- Light switch - 1 WAY.
- Light switch - 2 WAY.
- Light switch - DOUBLE POLE.
- Light switch - INTERMEDIATE.

NOTE - ELECTRICS:

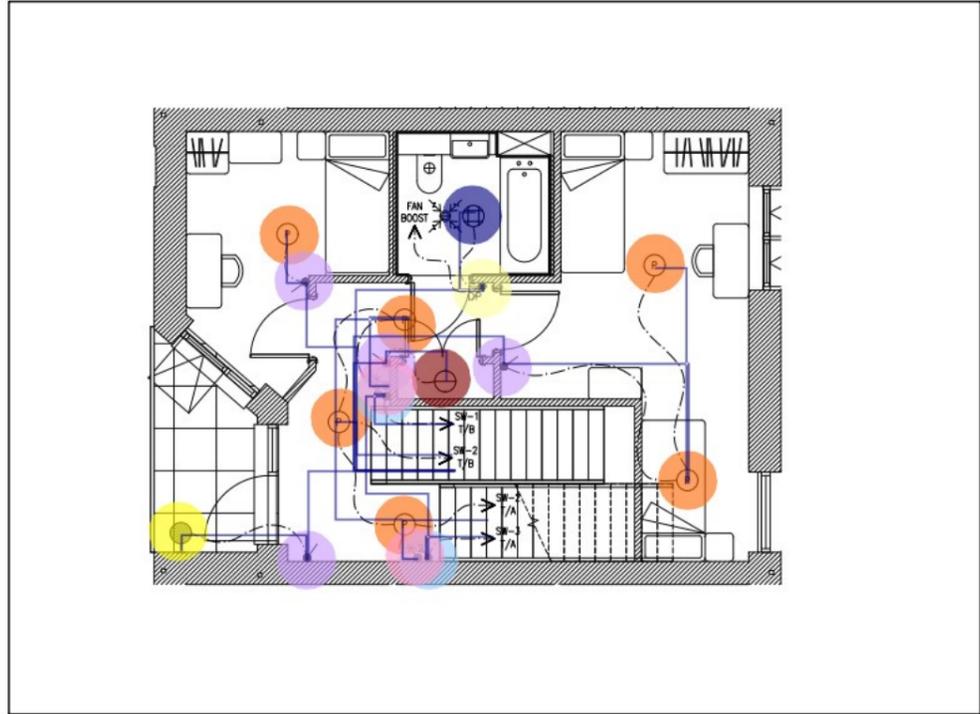
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 - INDIVIDUAL SWITCHED FUSED SPURS WITH CORRECT APPLIANCE LABELLED WITH NEON INDICATORS FOR EACH APPLIANCE TO BE LOCATED IN KITCHEN AREA, SO IT'S READILY ACCESSIBLE, SOCKET OUTLETS BELOW WORKTOP, TO INCLUDE:
 - HOB
 - OVEN
 - DISHWASHER
 - FRIDGE/FREEZER
 - RE-CIRCULATION COOKER HOOD
 - QWEY FAN BOOST SWITCH (UNLESS CONTROLLED INDEPENDENTLY).
 - SPARE
 - SPARE
 - ALL SWITCHES & SOCKETS TO BE A MINIMUM 300mm AWAY FROM THE ELECTRIC HOB/COOKER.
 - ALL SWITCHES & SOCKETS TO BE A MINIMUM 300mm AWAY FROM SINK BOWL & DRAINER.
 - POSITION UNSWITCHED SINGLE SOCKETS BEHIND EACH APPLIANCE.
 - EXACT SETTING OUT WITH DIMENSIONS OF SOCKET/SWITCHED IN KITCHEN TO BE BY OTHERS.
- VIDEO ENTRY SYSTEMS AND SWITCHES TO BE MOUNTED AT THE SAME LEVEL. REFER TO ARCHITECT SETTING OUT DRAWINGS.
- SPRINKLER SPECIALIST TO CO-ORDINATE SPRINKLER HEADS WITH REFLECTED CEILING PLAN (RCP) AND SUBMIT TO CLIENT FOR APPROVAL PRIOR TO INSTALLATION ON SITE.
- CONSUMER UNIT MCB SWITCHES ARE TO BE BETWEEN 1350 & 1450mm AFFL.
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- GROUP ALL DP GRID SWITCHES IN SUITABLE MULTI-GANG PLATE AND 35mm DEEP BACK BOX INSTALLED AT COUNTER LEVEL. REFER TO ARCHITECT'S SETTING OUT DRAWINGS FOR FINAL POSITIONS.
- ALLOW FOR BATHROOM(S)/KITCHEN EXTRACT FAN BOOST OPERATION VIA BATHROOM LIGHTING SWITCH OR VIA DEDICATED FAN BOOST SWITCH IN KITCHEN AS APPROPRIATE. INSTALL KITCHEN BOOST SWITCH WITHIN MULTIGANG GRID SWITCH.
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- AVOID FOR ELECTRICAL ACCESSORIES TO BE INSTALLED BACK TO BACK IN PARTY WALLS BETWEEN ADJOINING UNITS. CONSUMER UNITS MUST BE INSTALLED BETWEEN 1350mm AND 1450mm ABOVE FFL AND SO THAT THEY HAVE A 1m FALL BACK SPACE IN FRONT OF THE UNIT.
- FINAL EQUIPMENT AND SETTING OUT TO BE CONFIRMED BY KITCHEN SPECIALIST.
- EXTERNAL LIGHT TO BE CONTROLLED VIA LIGHT SWITCH WITH



**LIGHTING SERVICES
LEVEL L00**

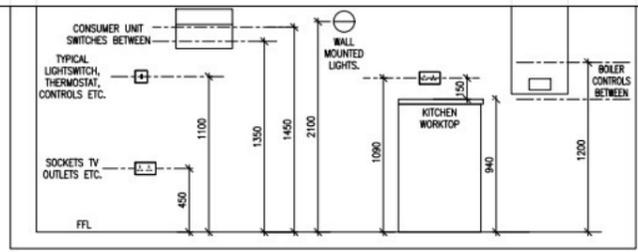


**LIGHTING SERVICES
LEVEL L02**



**LIGHTING SERVICES
LEVEL L01**

- B02 - Light - IP65 Pl... 2.0 EA
- B02 - Pendant light 15.0 EA
- B02 - Adjustable light 1.0 EA
- B02 - Light - Batten l... 4.0 EA
- B02 - Bulkhead light 2.0 EA
- B02 - Light switch 1... 14.0 EA
- B02 - Light switch 2 ... 8.0 EA
- B02 - Light switch in... 4.0 EA
- B02 - Light switch d... 2.0 EA
- B02 - Light - IP65 3.0 EA
- B02 - 2#1.5, 1#1.5... 241.5 M



Date	CAD	Chkd	Description
24.04.24	SM	SP	CONSTRUCTION ISSUE
18.11.22	DJB	SP	TENDER ISSUE

MWL
Mendick Waring Limited

House Studios, 30/31 Lyme Street, London NW1 0EE
 Tel: 020 8446 9696 Web: www.mwl-group.com
 E-Mail: enquiries@mwl-group.com

bugler

ALAN CAMP ARCHITECTS

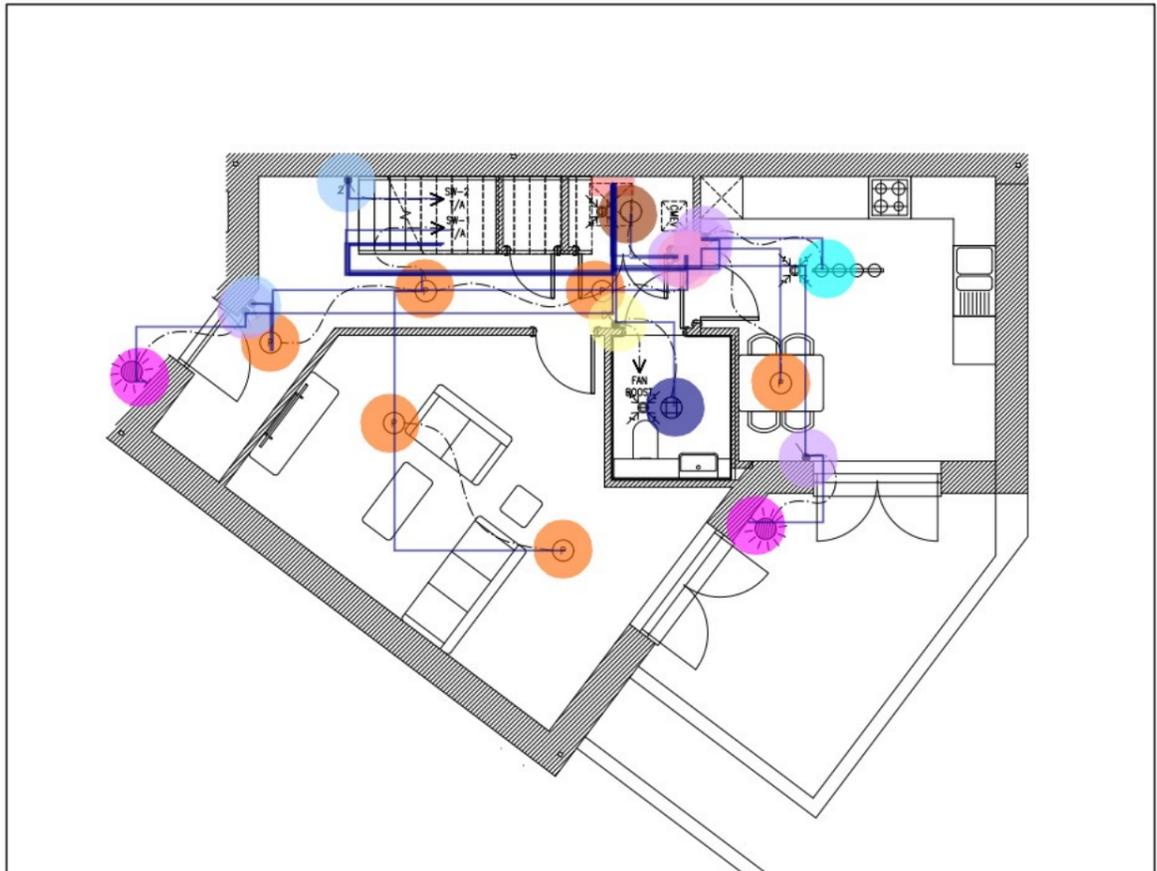
Project
 LINDEN GROVE, SOUTHWARK
 LONDON, SE15 3LL

Drawing
**BLOCK B - TYPICAL FLAT B02
 ELECTRICAL SERVICES
 SHEET 02**

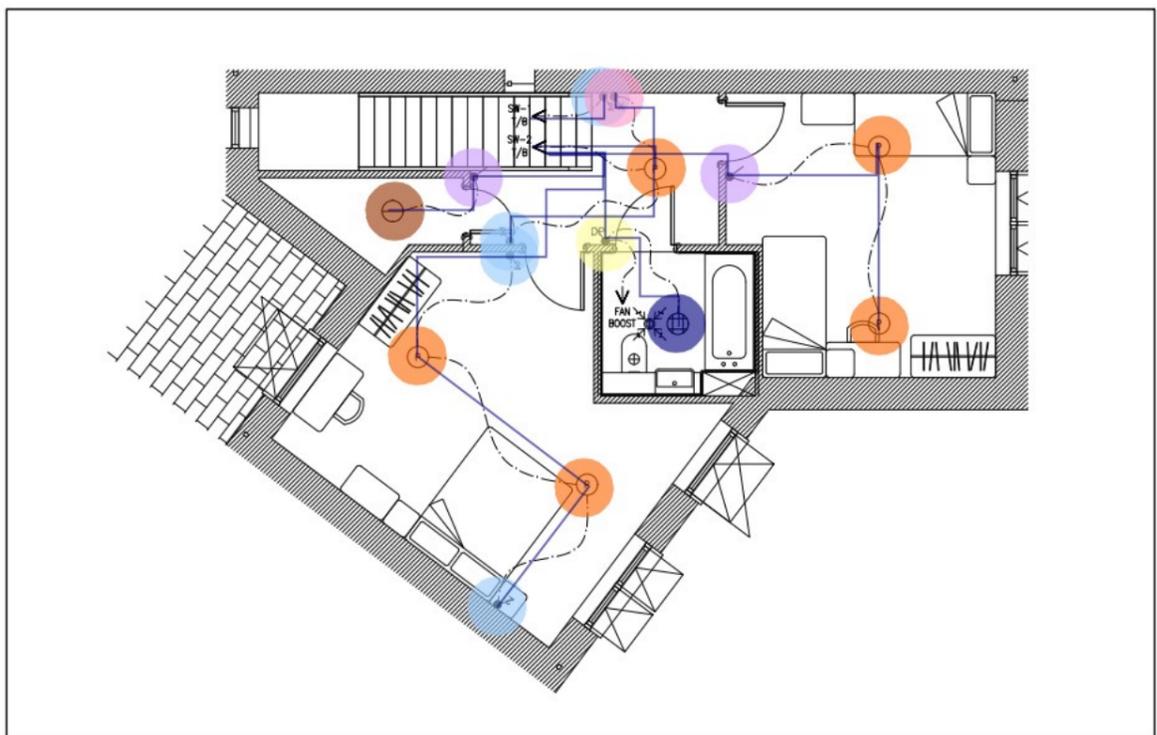
Scale	Size	Engineer	Date
1:50	A1	SP	AUG '22

Drawing No. Rev
BDL1241-MWL-BB-XX-DR-MEP-62422 C01

ProBuild Solutions



LIGHTING SERVICES - LEVEL L00



LIGHTING SERVICES - LEVEL L01

NOTE - ELECTRICS:

- IN KITCHENS ALLOW FOR:
 - 3 No. DOUBLE SWITCHED SOCKET OUTLET IN KITCHEN ABOVE WORKTOP SURFACE.
 - INDIVIDUAL SWITCHED FUSED SPURS WITH CORRECT APPLIANCE LABELLED WITH NEON INDICATORS FOR EACH APPLIANCE TO BE LOCATED IN KITCHEN AREA, SO IT'S READILY ACCESSIBLE, SOCKET OUTLETS BELOW WORKTOP, TO INCLUDE:
 - HOB
 - OVEN
 - DISHWASHER
 - FRIDGE/FREEZER
 - RE-CIRCULATION COOKER HOOD
 - OVEN FAN BOOST SWITCH (UNLESS CONTROLLED INDEPENDENTLY)
 - SPARE
 - SPARE
 - ALL SWITCHES & SOCKETS TO BE A MINIMUM 300mm AWAY FROM THE ELECTRIC HOB/COOKER.
 - ALL SWITCHES & SOCKETS TO BE A MINIMUM 300mm AWAY FROM SINK BOWL & DRAINER.
 - POSITION UNSWITCHED SINGLE SOCKETS BEHIND EACH APPLIANCE.
 - EXACT SETTING OUT WITH DIMENSIONS OF SOCKET/SWITCHED IN KITCHEN TO BE BY OTHERS.
- VIDEO ENTRY SYSTEMS AND SWITCHES TO BE MOUNTED AT THE SAME LEVEL. REFER TO ARCHITECT SETTING OUT DRAWINGS.
- SPRINKLER SPECIALIST TO CO-ORDINATE SPRINKLER HEADS WITH REFLECTED CEILING PLAN (RCP) AND SUBMIT TO CLIENT FOR APPROVAL PRIOR TO INSTALLATION ON SITE.
- CONSUMER UNIT MCB SWITCHES ARE TO BE BETWEEN 1350 & 1450mm AFFL.
- FIRE ALARM SYSTEM SHALL BE BS 5839-6:2013 CATEGORY LD1 GRADE D.
- REFER TO FIRE STRATEGY REPORT FOR FURTHER DETAILS REGARDING SPECIFIC AREAS.
- REFER TO ELECTRICAL SPECIFICATION FOR DETAILS OF ALL ELECTRICAL SERVICES WITHIN DWELLINGS. NOTE THAT NOT ALL ELECTRICAL ELEMENTS ARE NECESSARILY SHOWN ON THE DWELLING LAYOUTS AND IT IS INCUMBENT UPON THE ELECTRICAL CONTRACTOR TO ENSURE ALL SERVICES ARE PROVIDED IN LINE WITH THE WRITTEN SPECIFICATION.
- GROUP ALL DP GRID SWITCHES IN SUITABLE MULTI-GANG PLATE AND 35mm DEEP BACK BOX INSTALLED AT COUNTER LEVEL. REFER TO ARCHITECT'S SETTING OUT DRAWINGS FOR

NOTES

- DO NOT SCALE FROM THIS DRAWING, USE FIGURED DIMENSIONS ONLY, AND CHECK ALL DIMENSIONS ON SITE.
-

KEY - GENERAL:

- SERVICES AT LOW LEVEL.
- SERVICES BELOW FLOOR.
- SERVICES IN CEILING VOID.
- SERVICES IN VERTICAL (RISER).

H/L - HIGH LEVEL. L/L - LOW LEVEL.
 F/A - FROM ABOVE. F/B - FROM BELOW.
 T/A - TO ABOVE. T/B - TO BELOW.

KEY - LIGHTING:

- PERM PERMANENTLY ON LIGHTING.
- T/S TIME SWITCH CONTROLLED LIGHTING.
- E EMERGENCY LUMINAIRE.
- (P) CEILING MOUNTED PENDANT LIGHT FITTING.
- (X) WALL MOUNTED LIGHT FITTING.
- (X) BATTEN LAMPHOLDER - WALL/CEILING LIGHT FITTING.
- (X) BULKHEAD LIGHT FITTING - WALL/CEILING MOUNTED.
- (X) ADJUSTABLE SPOTLIGHT LIGHT FITTING.

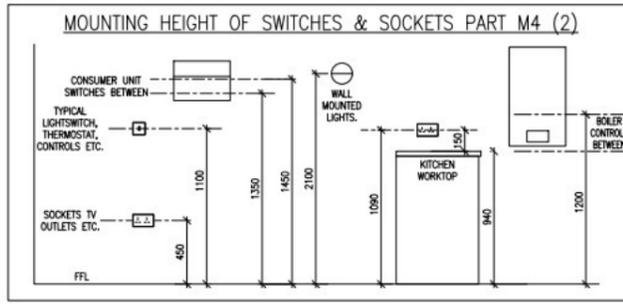
KEY - LIGHTING (EXTERNAL):

- IP65 IP65 RATED EXTERNAL WALL MOUNTED LIGHT FITTING.
- IP65 IP65 RATED EXTERNAL WALL MOUNTED LIGHT FITTING PIR CONTROLLED.

KEY - LIGHTING (SWITCHING):

- Light switch - 1 WAY.
- Light switch - 2 WAY.
- Light switch - DOUBLE POLE.
- Light switch - INTERMEDIATE.

- B03 - Light - IP65 Pl... 2.0 EA
- B03 - Pendant light 11.0 EA
- B03 - Adjustable light 1.0 EA
- B03 - Light - Batten l... 2.0 EA
- B03 - Bulkhead light 2.0 EA
- B03 - Light switch 1 ... 7.0 EA
- B03 - Light switch 2 ... 6.0 EA
- B03 - Light switch in... 2.0 EA
- B03 - Light switch d... 2.0 EA
- B03 - 2#1.5, 1#1.5... 129.7 M



TO1	24.11.22	DJB	SP	TENDER ISSUE
Rev	Date	CAD	Chkd	Description

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 E-Mail: enquiries@mwl-group.com

Client: **bugler**

Architect: **ALAN CAMP ARCHITECTS**

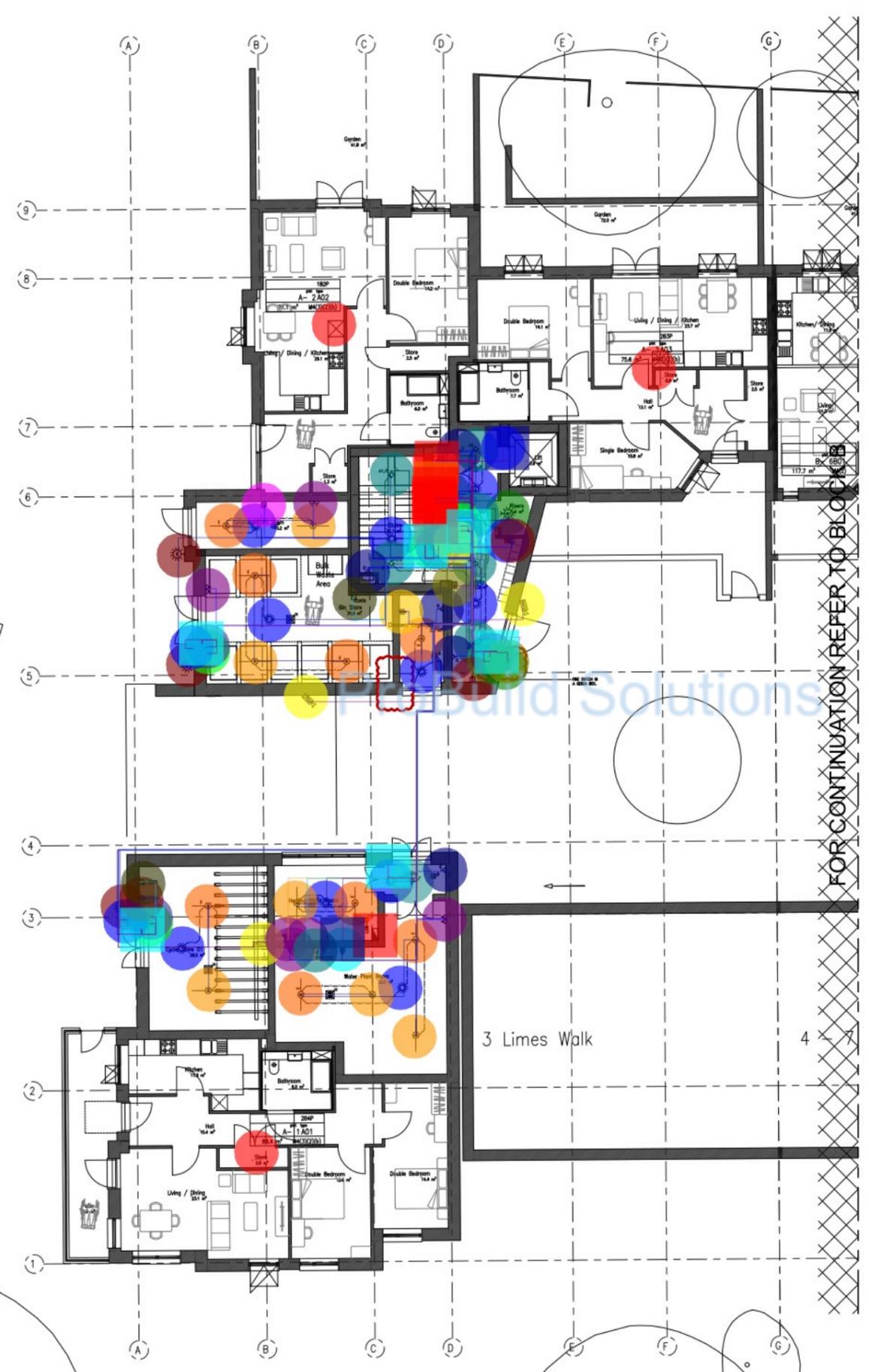
Project: LINDEN GROVE, SOUTHWARK LONDON, SE15 3LL

Drawing: **BLOCK B - TYPICAL FLAT B03 ELECTRICAL SERVICES SHEET 02**

Scale	Size	Engineer	Date
1:50	A1	SP	AUG '22

Drawing No. _____ Rev _____

BDL1241-MWL-BB-XX-DR-MEP-62432 C02



• PIR activated light fitting - E	3.0 EA	●
• PIR activated light fitting - A1	2.0 EA	●
• Light switch - ceiling mounted PIR	10.0 EA	●
• Fluorescent light fitting - E	8.0 EA	●
• Fluorescent light fitting	6.0 EA	●
• Low energy downlight - A1/E	1.0 EA	●
• Low energy downlight - A1/E,24	1.0 EA	●
• Low energy downlight - A2	2.0 EA	●
• Low energy downlight - A2/E,24	2.0 EA	●
• Low energy downlight - A2/E	1.0 EA	●
• Unswitched single socket outlet - C	5.0 EA	●
• Switched double socket outlet	4.0 EA	●
• Emergency door release	5.0 EA	●
• Push to exit button	5.0 EA	●
• Fixed CCTV Camera	4.0 EA	●
• Access control reader	4.0 EA	●
• Switched fused connection - WH	1.0 EA	●
• Switched fused connection - CU	1.0 EA	●
• Switched fused connection - FH	1.0 EA	●
• Switched fused connection - X	3.0 EA	●
• Firemans switch	1.0 EA	●
• Video door entry handset	2.0 EA	●
• SPN Isolator - CAT5	2.0 EA	●
• SPN Isolator - LTHW	2.0 EA	●
• SPN Isolator - BOOSTER	1.0 EA	●
• MDP 01	1.0 EA	●
• LDB 01	1.0 EA	●
• LDB 03	1.0 EA	●
• 2#1.5, 1#1.5G Wire in 20mm C - Li...	252.4 M	■
• 2#2.5, 1#2.5G Wire in 20mm C - P...	185.6 M	■
• CAT 6 CABLE 1 RUN	187.0 M	■
• 70mm2 4C XLPE/SWA/LSOH +35m...	2.4 M	■
• A01	1.0 EA	●
• A02	1.0 EA	●
• A03	1.0 EA	●
• 6mm2 4C XLPE/SWA/LSF	48.5 M	■
• 2.5mm2 2C FP200	9.2 M	■
• 4mm2 4C XLPE/SWA/LSF	68.2 M	■
• FDP - Residential	1.0 EA	●
• CSP	2.0 EA	●
• EZ Bend Cable	28.2 M	■
• SDF - Residential	1.0 EA	●
• TV/AMPLIFIER/SPLITTER	1.0 EA	●
• 4 - Door Shunt Controller	3.0 EA	●
• PSU	6.0 EA	●

NOTES

KEY - GENERAL

KEY - POWER

KEY - FIRE ALARM

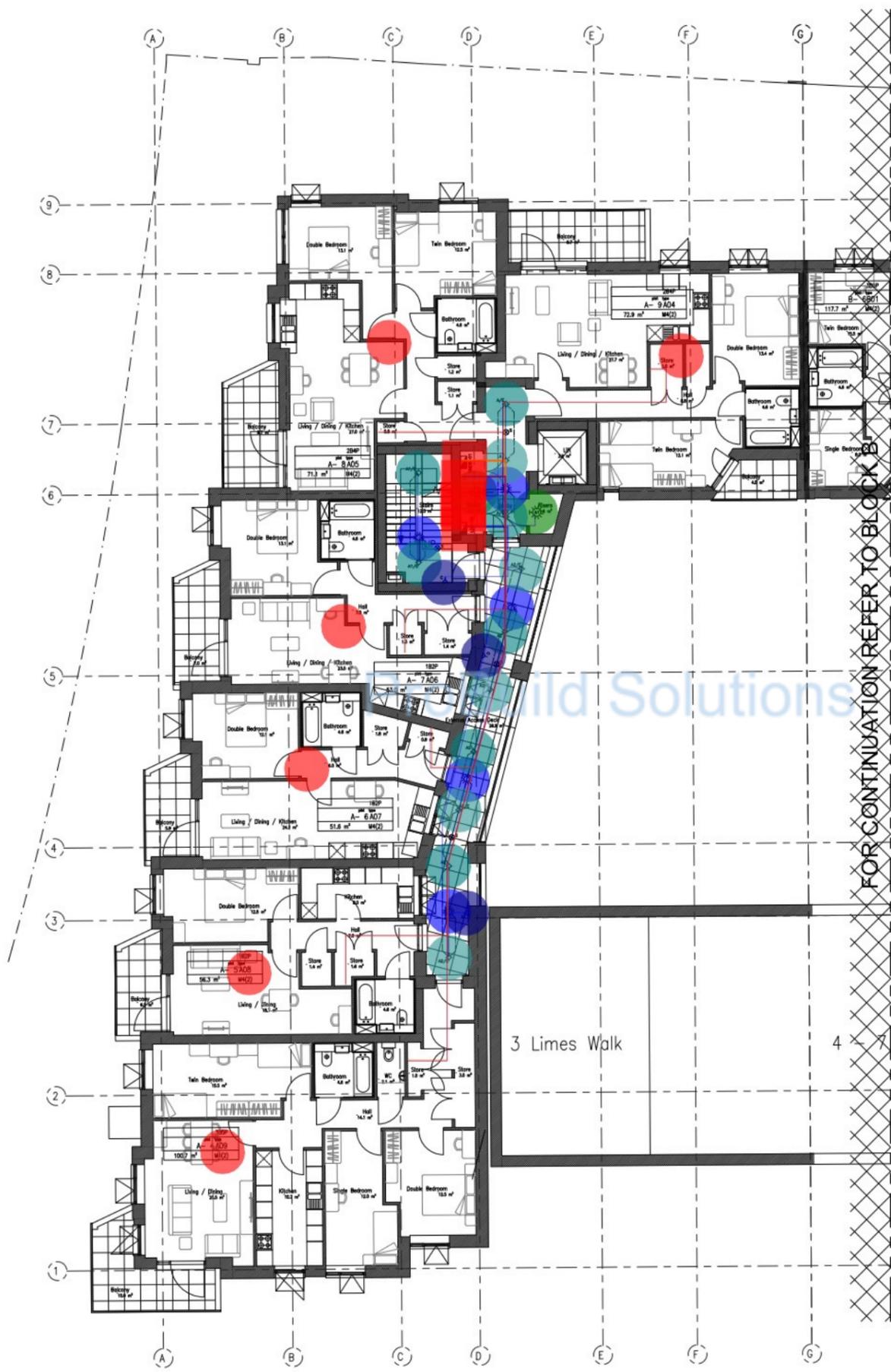
KEY - SECURITY

Scale: 1:100

Drawing No: BDL1241-MWL-B

Date: JG '22

Rev: C02



NOTES:

- FOR INTERNAL ELECTRICAL SERVICES TO TYPICAL APARTMENTS, REFER TO 3059-MWL-XX-XX-DR-M01-5100X & 3059-MWL-XX-XX-DR-M01-6100X SERIES DRAWINGS
- FOR SPRINKLER POSITIONS AND DESIGN IN COMMUNAL AREAS TO BE CONFIRMED BY SPRINKLER SPECIALISTS (TRIANGLE FIRE SYSTEMS)
- FIRE STRATEGY TO BE APPROVED BY BUILDING CONTROL.
- REFER TO ARCHITECTURAL FIRE LAYOUT PLANS FOR FIRE EXIT SIGNAGES AND SHALL BE IN COMPLIANCE WITH BS 5499-4.
- CEILING VOIDS WHERE APPLICABLE, IN EXCESS OF 800mm OR GREATER TO BE CONFIRMED BY ARCHITECT FOR ALLOWANCE OF SMOKE DETECTION WITHIN VOID AREAS.

KEY - LIGHTING:

NOTES:

- DO NOT SCALE FROM THIS DRAWING, USE FIGURED DIMENSIONS ONLY, AND CHECK ALL DIMENSIONS ON SITE.
-

KEY - GENERAL:

- SERVICES AT LOW LEVEL.
- SERVICES BELOW FLOOR.
- SERVICES IN CEILING VOID.
- SERVICES IN VERTICAL (RISER).

H/L - HIGH LEVEL. L/L - LOW LEVEL.
 F/A - FROM ABOVE. F/B - FROM BELOW.
 T/A - TO ABOVE. T/B - TO BELOW.

KEY - POWER:

- PIR activated light fitt... 2.0 EA
- Light switch - ceiling ... 5.0 EA
- Low energy downlight... 2.0 EA
- Low energy downlight... 1.0 EA
- Low energy downlight... 2.0 EA
- Low energy downlight... 4.0 EA
- Low energy downlight... 3.0 EA
- Unswitched single so... 3.0 EA
- LDB 02 1.0 EA
- SMDB 01 1.0 EA
- 2#1.5, 1#1.5G Wire i... 47.4 M
- 2#2.5, 1#2.5G Wire i... 21.4 M
- 25mm2 3C XLPE/S... 98.7 M
- A09 1.0 EA
- A08 1.0 EA
- A07 1.0 EA
- A06 1.0 EA
- A05 1.0 EA
- A04 1.0 EA
- EZ Bend Cable 97.4 M
- TV/AMPLIFIER/SPLI... 1.0 EA
- 4 - Door Shunt Contr... 2.0 EA

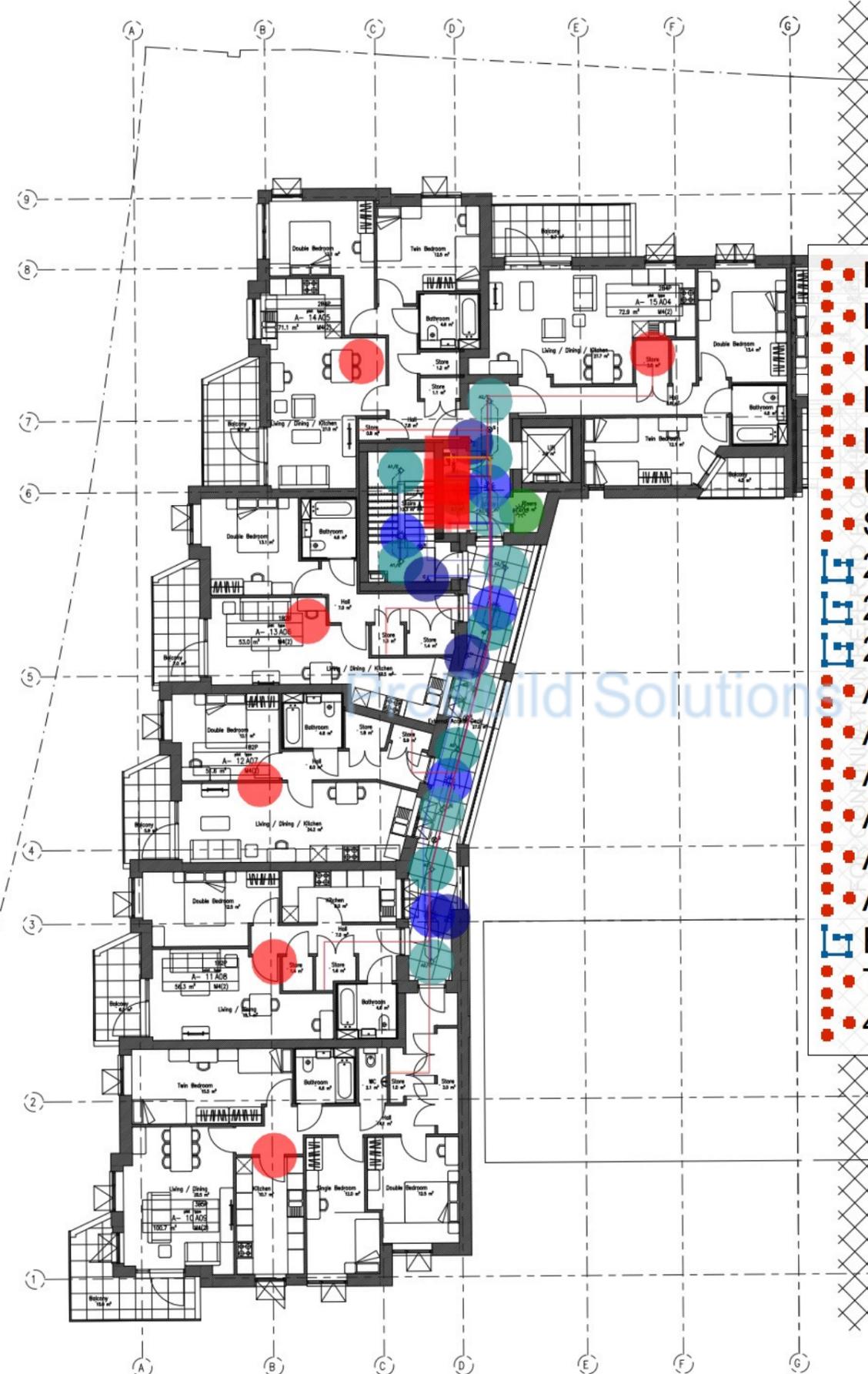
KEY - FIRE ALARM:

- ALARM FITTING, WHERE 'X' DENOTES SMOKE
- SECTOR FITTING, WHERE 'H' DENOTES HEAT
- SMOKE DETECTOR WITH FLASHING BEACON & SOUNDER
- FIRE ALARM BREAK GLASS UNIT
- FRONTAGE AND MANUAL CONTROL POINT
- AUTOMATICALLY OPENING VENT
- ACTUATOR FOR AUTOMATICALLY OPENING VENT

DOOR BELL SOUNDER.
 DOOR ENTRY HANDBET.
 VIDEO DOOR ENTRY HANDBET, WHERE 'X' DENOTES: A - AUDIO, V - VIDEO.
 DISABLED REFUGE PANEL.
 PUSH TO EXIT BUTTON.
 ACCESS CONTROL READER (FOB/PROXIMITY).
 EMERGENCY DOOR RELEASE.
 FIXED CCTV CAMERA.
 DOOR CONTACT.
 WINDOW CONTACT.
 DOOR ENTRY CONTROL PANEL.
 MAGNETIC DOOR HOLD

Client: **bugler**
 Architect: **ALAN CAMP ARCHITECTS**
 Project: **LINDEN GROVE, SOUTHWARK LONDON, SE15 3LL**
 Drawing: **BLOCK A - LEVEL L01 COMMUNAL ELECTRICAL SERVICES**

Scale	Size	Engineer	Date
1:100	A1	SP	AUG '22
Drawing No.		Rev	
BDL1241-MWL-BA-01-DR-MEP-60101		C02	



NOTES:

- FOR INTERNAL ELECTRICAL SERVICES TO TYPICAL APARTMENTS, REFER TO 3059-MWL-XX-XI-DR-M01-5100X & 3059-MWL-XX-XI-DR-M01-6100X SERIES DRAWINGS
- FOR SPRINKLER POSITIONS AND DESIGN IN COMMUNAL AREAS TO BE CONFIRMED BY SPRINKLER SPECIALISTS (TRIANGLE FIRE SYSTEMS)
- FIRE STRATEGY TO BE APPROVED BY BUILDING CONTROL.
- REFER TO ARCHITECTURAL FIRE LAYOUT PLANS FOR FIRE EXIT SIGNAGES AND SHALL BE IN COMPLIANCE WITH BS 5499-4.
- CEILING VOIDS WHERE APPLICABLE, IN EXCESS OF 800mm OR GREATER TO BE CONFIRMED BY ARCHITECT FOR ALLOWANCE OF SMOKE DETECTION WITHIN VOID AREAS.

KEY - LIGHTING:

- 24 FITTING ON 24 HOURS.
- IP RATED FITTING.
- E EMERGENCY LUMINAIRE.
- LOW ENERGY DOWNLIGHTER.
- CEILING MOUNTED LIGHT FITTING.

KEY - TELE:

- TELEPHONE POINT.
- TELEPHONE POINT WITH DATA PORT.
- TELEPHONE POINT WITH DATA PORT AND TV POINT.
- TELEPHONE POINT WITH DATA PORT AND TV POINT AND SMOKE DETECTOR.
- TELEPHONE POINT WITH DATA PORT AND TV POINT AND SMOKE DETECTOR AND FIRE ALARM NOTIFICATION.

KEY - LINE:

- LINE.
- LINE WITH DATA PORT.
- LINE WITH DATA PORT AND TV POINT.
- LINE WITH DATA PORT AND TV POINT AND SMOKE DETECTOR.
- LINE WITH DATA PORT AND TV POINT AND SMOKE DETECTOR AND FIRE ALARM NOTIFICATION.

KEY - SECURITY:

- DOOR BELL PUSH.
- DOOR BELL SOUNDER.
- DOOR ENTRY HANDSET.
- VIDEO DOOR ENTRY HANDSET, WHERE 'X' DENOTES: A - AUDIO, V - VIDEO.
- DISABLED REFUGE PANEL.
- PUSH TO EXIT BUTTON.
- ACCESS CONTROL READER (FOB/PROXIMITY).
- EMERGENCY DOOR RELEASE.
- FIXED CCTV CAMERA.
- DOOR CONTACT.
- WINDOW CONTACT.
- DOOR ENTRY CONTROL PANEL.
- MAGNETIC DOOR HOLD.

NOTES:

- DO NOT SCALE FROM THIS DRAWING, USE FIGURED DIMENSIONS ONLY, AND CHECK ALL DIMENSIONS ON SITE.
-

KEY - GENERAL:

- SERVICES AT LOW LEVEL.
- SERVICES BELOW FLOOR.
- SERVICES IN CEILING VOID.
- SERVICES IN VERTICAL (RISER).

H/L - HIGH LEVEL, L/L - LOW LEVEL.
 F/A - FROM ABOVE, F/B - FROM BELOW.
 T/A - TO ABOVE, T/B - TO BELOW.

KEY - POWER:

- ELECTRICITY METER.
- CONSUMER UNIT.
- DISTRIBUTION BOARD WITH DUAL ELECTRICAL METERS, (1 No. POWER & 1 No. LIGHTING).
- UNSWITCHED SINGLE SOCKET OUTLET WHERE SPECIFIED, 'X' DENOTES: K - KEY OPERATED, L - LOCKABLE, W - WEATHERPROOF.
- SWITCHED SINGLE SOCKET OUTLET.
- SWITCHED DOUBLE SOCKET OUTLET.
- SHOWER SOCKET.
- FLEX OUTLET BOX.
- MULTI GANG GRID SWITCH.
- UNSWITCHED FUSED CONNECTION UNIT (13AMP) WHERE 'X' DENOTES: A - ADV SHAFT ACTUATOR, M - MAGNETIC LOCK.
- SWITCHED FUSED CONNECTION UNIT (13AMP) WHERE 'X' DENOTES: E - EXTRACT FAN, M - UNDERFLOOR HTG. MANFOLD, TR - TOWEL RAIL, W - WASHING MACHINE, CU - COOLING UNIT UPS, WH - INSTANTANEOUS WATER HEATER, FH - FROST HEATER, TH - TUBULAR HEATER (LOCKABLE).
- DOUBLE POLE ISOLATOR WHERE 'X' DENOTES: HWC - HOT WATER CYLINDER, IM - IMMERSION HEATER.
- SPN ISOLATOR - ROTARY HANDLE WHERE: 'X' DENOTES RATING (AMPS).
- TPN ISOLATOR - ROTARY HANDLE WHERE: 'X' DENOTES RATING (AMPS).
- BACK BOX.
- ROOM THERMOSTAT.
- TEMPERATURE CONTROL.
- ELECTRIC TOWEL RAIL.
- TUBULAR HEATER.
- AUTOMATIC TRANSFER SWITCH.

- PIR activated light fitt... 2.0 EA
- Light switch - ceiling ... 5.0 EA
- Low energy downligh... 6.0 EA
- Low energy downligh... 4.0 EA
- Low energy downligh... 2.0 EA
- Unswitched single so... 4.0 EA
- SMDB 02 1.0 EA
- 2#1.5, 1#1.5G Wire i... 47.4 M
- 2#2.5, 1#2.5G Wire i... 25.0 M
- 25mm2 3C XLPE/S... 99.7 M
- A04 1.0 EA
- A05 1.0 EA
- A06 1.0 EA
- A07 1.0 EA
- A08 1.0 EA
- A09 1.0 EA
- EZ Bend Cable 98.1 M
- TV/AMPLIFIER/SPLI... 1.0 EA
- 4 - Door Shunt Contr... 2.0 EA

Rev	Date	CAD	Chkd	Description
C02	02.07.24	SM	NK	REVISED CONSTRUCTION ISSUE
C01	24.04.24	SM	NK	CONSTRUCTION ISSUE
T02	04.04.23	SM	NK	PRELIMINARY ISSUE
T01	04.01.23	DJB	NK	PRELIMINARY ISSUE

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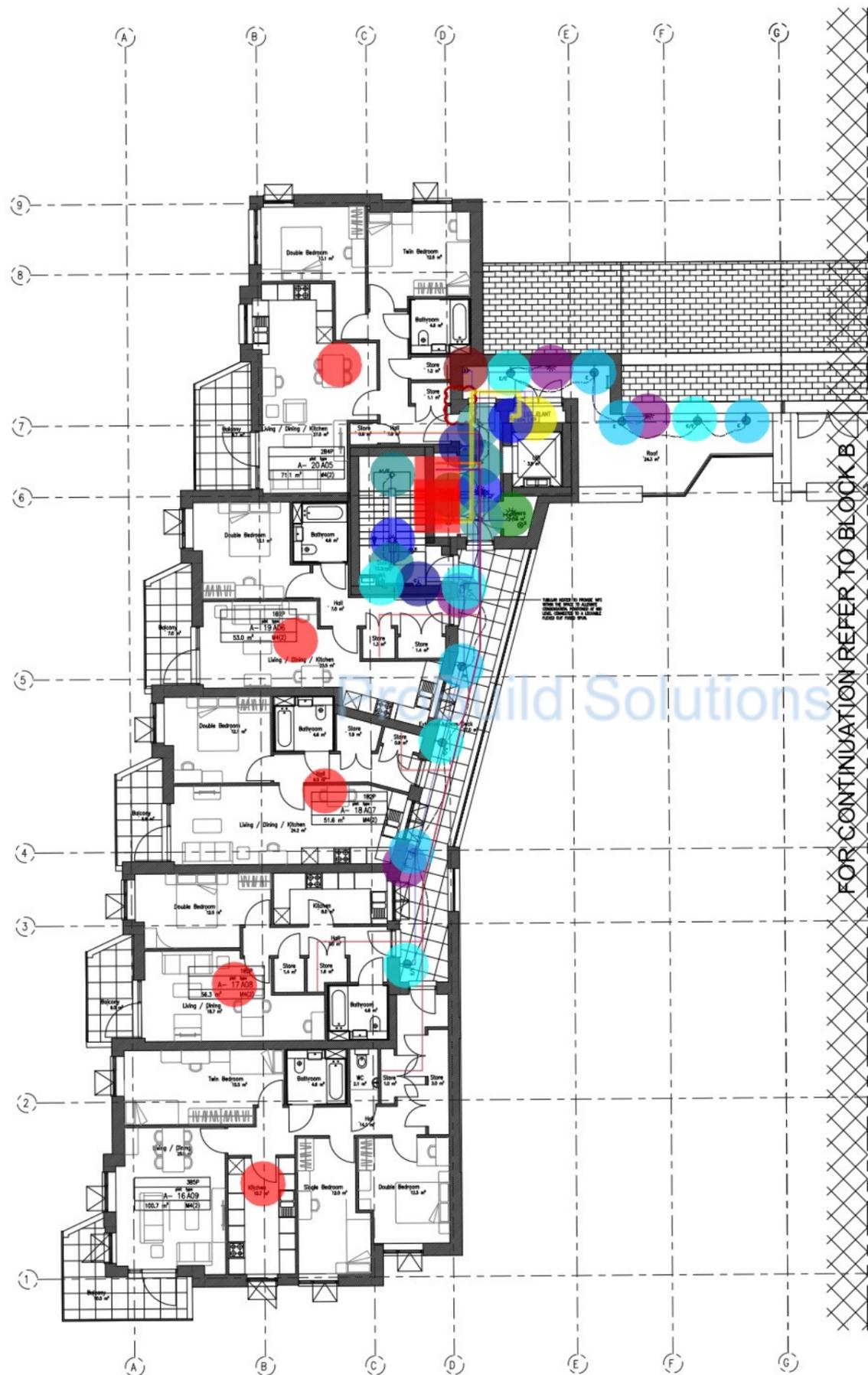
Client: **bugler**
 Architect: **ALAN CAMP ARCHITECTS**

Project: **LINDEN GROVE, SOUTHWARK LONDON, SE15 3LL**

Drawing: **BLOCK A - LEVEL L02 COMMUNAL ELECTRICAL SERVICES**

Scale	Size	Engineer	Date
1:100	A1	SP	AUG '22

Drawing No. **BDL1241-MWL-BA-02-DR-MEP-60102** Rev **C02**



NOTES:
 1. FOR INTERNAL ELECTRICAL SERVICES TO TYPICAL APARTMENTS, REFER TO 3059-MWL-XX-XX-DR-M01-5100X & 3059-MWL-YY-YY-DR-M01-5100X SERIES DRAWINGS

NOTES
 1. DO NOT SCALE FROM THIS DRAWING, USE FIGURED DIMENSIONS ONLY, AND CHECK ALL DIMENSIONS ON SITE.

- PIR activated light fitting... 2.0 EA
- Light switch - ceiling mounted... 2.0 EA
- Low energy downlight... 1.0 EA
- Low energy downlight... 2.0 EA
- Low energy downlight... 2.0 EA
- Light switch - wall mounted... 4.0 EA
- External wall mounted... 5.0 EA
- External wall mounted... 5.0 EA
- Unswitched single socket... 2.0 EA
- Automatic transfer switch... 1.0 EA
- TPN Isolator -32A... 1.0 EA
- Switched fused connection... 1.0 EA
- Switched fused connection... 1.0 EA
- 2#1.5, 1#1.5G Wire in... 65.9 M
- 2#2.5, 1#2.5G Wire in... 29.1 M
- 25mm² 3C XLPE/SW... 87.6 M
- A05... 1.0 EA
- A06... 1.0 EA
- A07... 1.0 EA
- A08... 1.0 EA
- A09... 1.0 EA
- 10mm² 4C XLPE/SWA... 9.3 M
- EZ Bend Cable... 94.4 M
- TV/AMPLIFIER/SPLIT... 1.0 EA
- 4 - Door Shunt Control... 2.0 EA

GENERAL:

SERVICES AT LOW LEVEL.
 --- SERVICES BELOW FLOOR.
 --- SERVICES IN CEILING VOID.
 --- SERVICES IN VERTICAL (RISER).

HIGH LEVEL: L/L - LOW LEVEL.
 FROM ABOVE: F/B - FROM BELOW.
 TO ABOVE: T/B - TO BELOW.

POWER:

ELECTRICITY METER.
 CONSUMER UNIT.
 DISTRIBUTION BOARD WITH DUAL ELECTRICAL METERS. (1 No. POWER & 1 No. LIGHTING).

UNSWITCHED SINGLE SOCKET OUTLET WHERE SPECIFIED, 'X' DENOTES:
 K - KEY OPERATED
 L - LOCKABLE
 W - WEATHERPROOF

SWITCHED SINGLE SOCKET OUTLET.
 SWITCHED DOUBLE SOCKET OUTLET.
 SHAVER SOCKET.
 FLEX OUTLET BOX.
 MULTI GANG GRID SWITCH.
 UNSWITCHED FUSED CONNECTION UNIT (13AMP) WHERE 'X' DENOTES:
 A - AOV SHAFT ACTUATOR.
 M - MAGNETIC LOCK

SWITCHED FUSED CONNECTION UNIT (13AMP) WHERE 'X' DENOTES:
 E - EXTRACT FAN.
 M - UNDERFLOOR HTG. MANFOLD.
 TR - TOWEL RAIL
 W - WASHING MACHINE.
 CU - COOLING UNIT UPS.
 WH - INSTANTANEOUS WATER HEATER.
 FH - FROST HEATER.
 TH - TUBULAR HEATER (LOCKABLE).

(R) DOUBLE POLE ISOLATOR WHERE 'X' DENOTES:
 HWC - HOT WATER CYLINDER.
 IM - IMMERSION HEATER.

(R) SPN ISOLATOR - ROTARY HANDLE WHERE: 'X' DENOTES RATING (AMPS)

(R) TPN ISOLATOR - ROTARY HANDLE WHERE: 'X' DENOTES RATING (AMPS)

BACK BOX.
 ROOM THERMOSTAT.
 TEMPERATURE CONTROL.
 ELECTRIC TOWEL RAIL.
 TUBULAR HEATER.
 AUTOMATIC TRANSFER SWITCH.

KEY - TELECOMMUNICATIONS:
 ST TELEPHONE BOX.
 TELEVISION DISTRIBUTION POINT.
 TELEPHONE SOCKET OUTLET.

KEY - FIRE ALARM:
 ALARM FITTING, WHERE DENOTES:
 H - HANDHELD.
 S - SMOKE DETECTOR.
 V - VIDEO DETECTOR.
 THE ALARM BREAK GLASS UNIT.
 FIRE ALARM MANUAL CALL POINT.

TH NK ACCESS CONTROL OMITTED.
 SM NK CONSTRUCTION ISSUE
 SM NK PRELIMINARY ISSUE
 DJB NK PRELIMINARY ISSUE
 CAD Chkd Description

FIRE ALARM INTERFACE UNIT.
 SMOKE VENT CONTROL PANEL.

KEY - SECURITY:
 DOOR BELL PUSH.
 DOOR BELL SOUNDER.
 DOOR ENTRY HANDSET.
 VIDEO DOOR ENTRY HANDSET, WHERE 'X' DENOTES: A - AUDIO, V - VIDEO.
 DISABLED REFUGE PANEL.
 PUSH TO EXIT BUTTON.
 ACCESS CONTROL READER (FOB/PROXIMITY).
 EMERGENCY DOOR RELEASE.
 FIXED CCTV CAMERA.
 DOOR CONTACT.
 WINDOW CONTACT.
 DOOR ENTRY CONTROL PANEL.
 MAGNETIC DOOR HOLD

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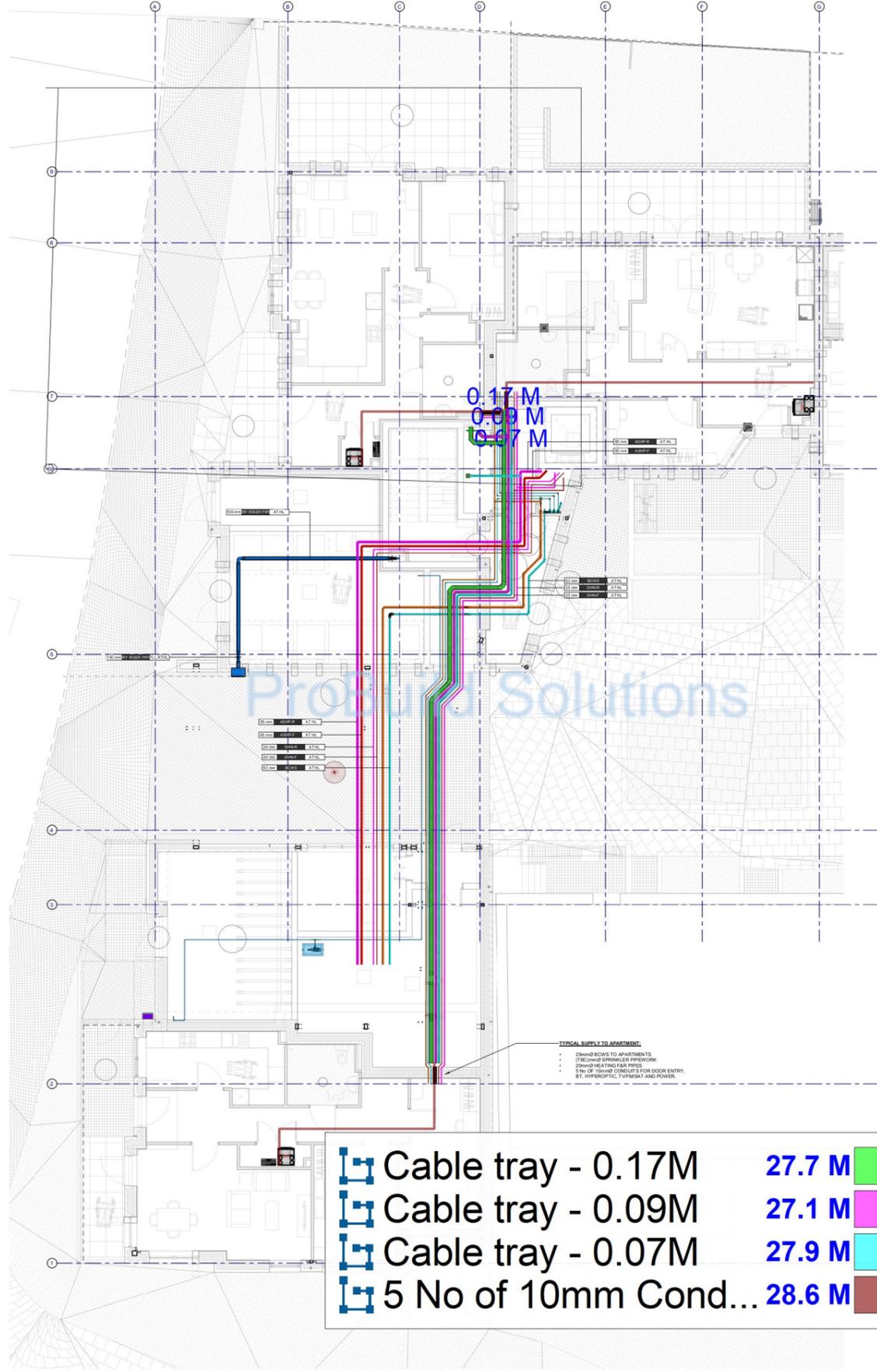
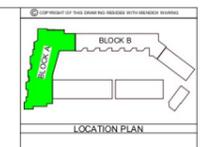
Client
bugler

Architect
ALAN CAMP ARCHITECTS

Project
 LINDEN GROVE, SOUTHWARK
 LONDON, SE15 3LL

Drawing
**BLOCK A - LEVEL L03
 COMMUNAL ELECTRICAL
 SERVICES**

Scale	Size	Engineer	Date
1:100	A1	SP	AUG '22
Drawing No.		Rev	
BDL1241-MWL-BA-03-DR-MEP-60103		C02	



	Cable tray - 0.17M	27.7 M	
	Cable tray - 0.09M	27.1 M	
	Cable tray - 0.07M	27.9 M	
	5 No of 10mm Cond...	28.6 M	

TYPICAL SUPPLY TO APARTMENT:
 - Downed ROWS TO APARTMENTS
 - FITTED SPRINKLER PIPEWORK
 - DOWNED HEATED AIR PIPES
 - 5 No. OF 10mm CONDUCITS FOR DOOR ENTRY.
 - BT, HYPOSPORIC, TURKISH AND POWER.

BLOCK A - L00 - MAINS DISTRIBUTION
 1/30

02/08/20	SM	TA	UPDATED TO NEW ARCHITECTS
04/02/20	TA	TA	UPDATED TO NEW ARCHITECTS
08/03/20	SM	TA	UPDATED TO NEW ARCHITECTS
09/02/20	SM	TA	UPDATES CONDUIT FROM ISSUE
09/14/22	SM	TA	CONSTRUCTION ISSUE
09/27/22	SM	SP	PRELIMINARY ISSUE
Rev	Date	By/Checked	Description

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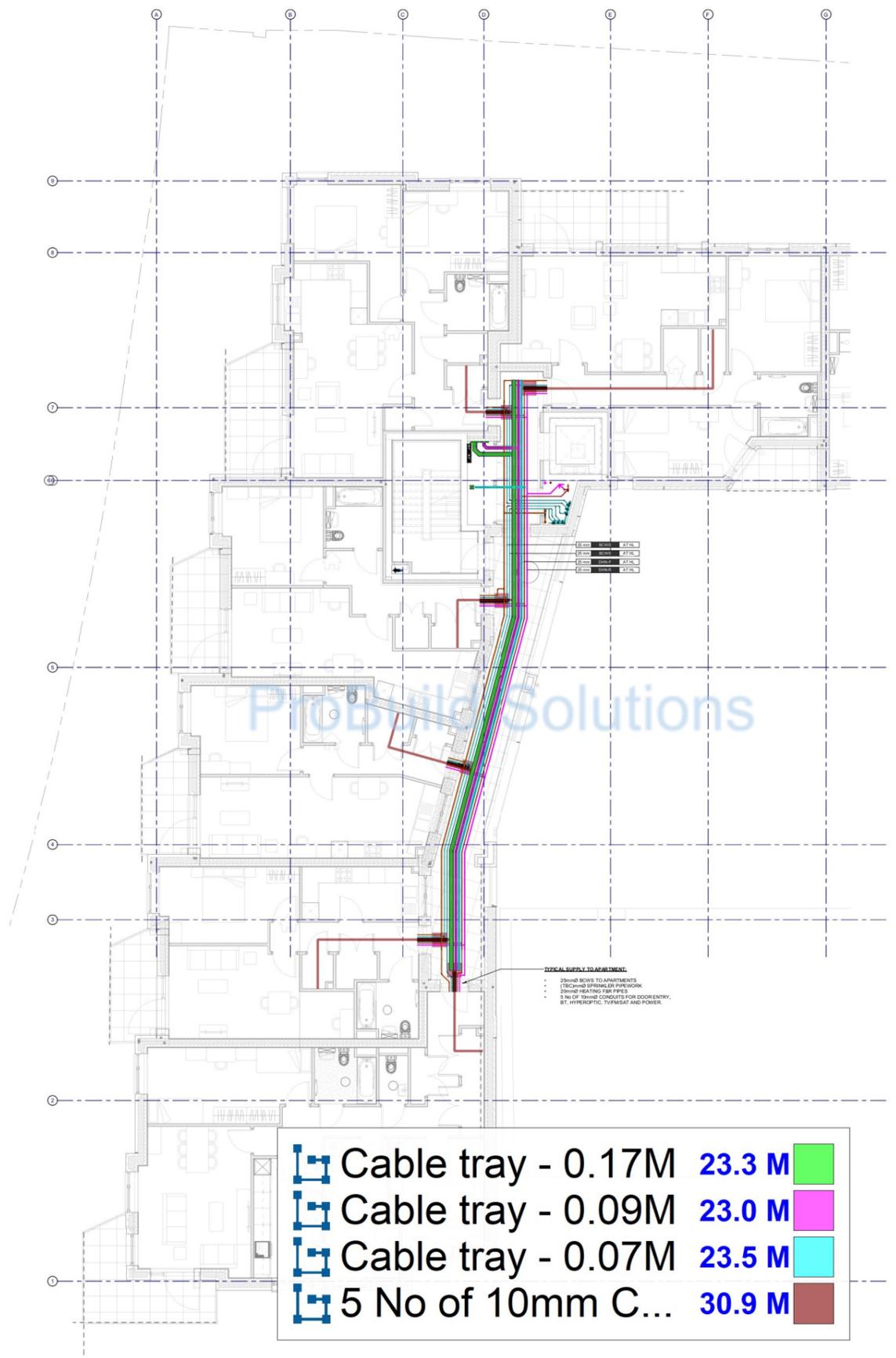
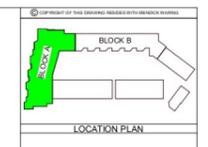
Client: **bugler**

Architect: **ALAN CAMP ARCHITECTS**

Project: **LINDEN GROVE**
 SOUTHWARK
 SE15 3LL
 Drawing: **BLOCK A - LEVEL 00**
MAINS DISTRIBUTION LAYOUT

Scale	Size	Engineer	Date
1:50	A0	SP	01/23/07

Drawing No. Rev
 BDL1241-MWL-BA-00-DR-MEP-50100 C05



TYPICAL SUPPLY TO APARTMENT:

- 25mm HD BOWS TO APARTMENTS
- (TBC) 25mm SPRINKLER PIPEWORK
- 25mm HD HEATING RAN PIPES
- 5 No of 10mm CONDUITS FOR DOORENTRY, BT, HYPEROPTIC, TV/FIBRE AND POWER.

	Cable tray - 0.17M	23.3 M	
	Cable tray - 0.09M	23.0 M	
	Cable tray - 0.07M	23.5 M	
	5 No of 10mm C...	30.9 M	

BLOCK A - L02 - MAINS DISTRIBUTION
1/30

CDM 02 07 24	TA	UPDATED TO NEW ARCHITECTS
CDM 03 03 24	SM	UPDATED TO NEW ARCHITECTS
CDM 02 24 08	TA	UPDATED CONSTRUCTION ISSUE
CDM 14 12 23	SM	CONSTRUCTION ISSUE
CDM 07 10 22	SM	PRELIMINARY ISSUE
Rev	Date	By / Checked / Description

MWL
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Tel: 020 8440 3900 Fax: www.mwlgroup.com
E: info@mwllimited.com

Client: **bugler**

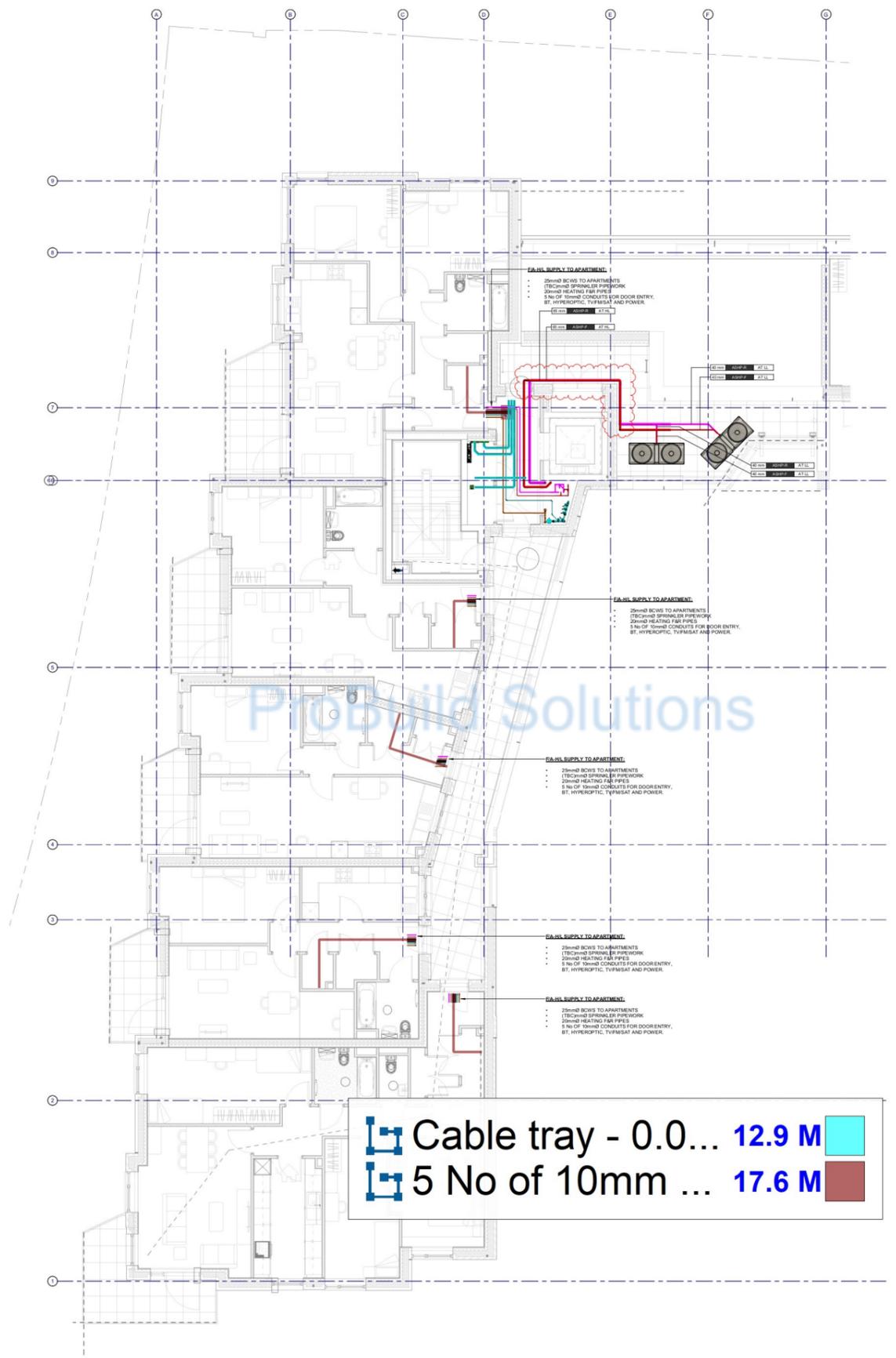
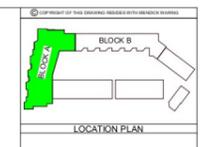
Architect: **ALAN CAMP ARCHITECTS**

Project: **LINDEN GROVE SOUTHWARK SE15 3LL**

Location: **BLOCK A - LEVEL 02 MAINS DISTRIBUTION LAYOUT**

Scale	Size	Engineer	Date
1:50	A0	SP	09/16/22

Drawing No. **BDL1241-MWL-SA-02-OR-MEP-50102 C04**



MAIN SUPPLY TO APARTMENT:

- 25mm² BCWS TO APARTMENTS
- 175mm² SPINWIRE FIREWORK
- 25mm² HEATING FIBRE PIPES
- 5 No of 10mm² CONDUITS FOR DOOR ENTRY, BT, HYPEROPTIC, TV/RSAT AND POWER.

MAIN SUPPLY TO APARTMENT:

- 25mm² BCWS TO APARTMENTS
- 175mm² SPINWIRE FIREWORK
- 25mm² HEATING FIBRE PIPES
- 5 No of 10mm² CONDUITS FOR DOOR ENTRY, BT, HYPEROPTIC, TV/RSAT AND POWER.

MAIN SUPPLY TO APARTMENT:

- 25mm² BCWS TO APARTMENTS
- 175mm² SPINWIRE FIREWORK
- 25mm² HEATING FIBRE PIPES
- 5 No of 10mm² CONDUITS FOR DOOR ENTRY, BT, HYPEROPTIC, TV/RSAT AND POWER.

MAIN SUPPLY TO APARTMENT:

- 25mm² BCWS TO APARTMENTS
- 175mm² SPINWIRE FIREWORK
- 25mm² HEATING FIBRE PIPES
- 5 No of 10mm² CONDUITS FOR DOOR ENTRY, BT, HYPEROPTIC, TV/RSAT AND POWER.

MAIN SUPPLY TO APARTMENT:

- 25mm² BCWS TO APARTMENTS
- 175mm² SPINWIRE FIREWORK
- 25mm² HEATING FIBRE PIPES
- 5 No of 10mm² CONDUITS FOR DOOR ENTRY, BT, HYPEROPTIC, TV/RSAT AND POWER.

 Cable tray - 0.0... **12.9 M** 
 5 No of 10mm ... **17.6 M** 

BLOCK A - L03 - MAINS DISTRIBUTION
1/30

09/16/22	14	TA	UPDATED AS CLOUSED
09/16/22	14	TA	UPDATED TO NEW ARCHITECTS
09/16/22	14	TA	UPDATED CONSTRUCTION ISSUE
09/14/22	14	TA	CONSTRUCTION ISSUE
09/17/22	14	SP	PRELIMINARY ISSUE
Rev	Date	By	Description

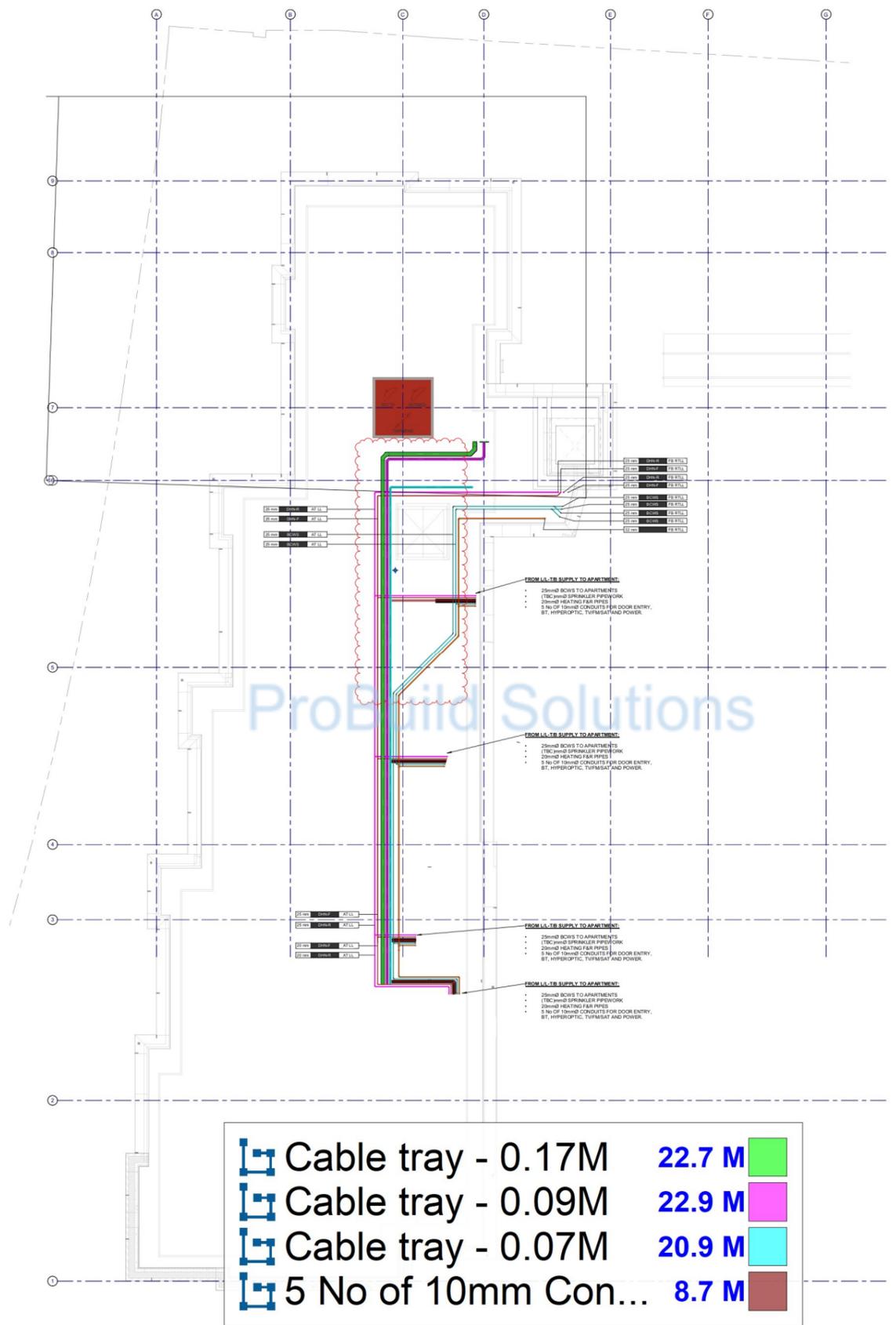
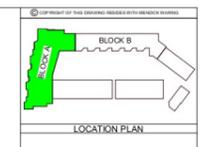

 Mendick Waring Limited
 Lymington House, 3011 Long Street, London NW1 0EE
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Client: 
 Architect: 

Project: LINDEN GROVE
 SOUTHWARK
 SE15 3LL
 Drawing: BLOCK A - LEVEL 03
 MAINS DISTRIBUTION LAYOUT

Scale	Size	Engineer	Date
1:50	A0	SP	09/16/22

Drawing No. BDL1241-MWL-BA-03-DR-MEP-50103 CD4



	Cable tray - 0.17M	22.7 M	
	Cable tray - 0.09M	22.9 M	
	Cable tray - 0.07M	20.9 M	
	5 No of 10mm Con...	8.7 M	

FROM U.C. SUPPLY TO APARTMENT

- 25mm BOWS TO APARTMENTS
- 175mm SPRINKLER PIPEWORK
- 20mm HEATING FAN PIPES
- 5 No of 10mm CONDUITS FOR DOOR ENTRY, BT, HYPEROPTIC, TURMSAT AND POWER.

FROM U.C. SUPPLY TO APARTMENT

- 25mm BOWS TO APARTMENTS
- 175mm SPRINKLER PIPEWORK
- 20mm HEATING FAN PIPES
- 5 No of 10mm CONDUITS FOR DOOR ENTRY, BT, HYPEROPTIC, TURMSAT AND POWER.

FROM U.C. SUPPLY TO APARTMENT

- 25mm BOWS TO APARTMENTS
- 175mm SPRINKLER PIPEWORK
- 20mm HEATING FAN PIPES
- 5 No of 10mm CONDUITS FOR DOOR ENTRY, BT, HYPEROPTIC, TURMSAT AND POWER.

FROM U.C. SUPPLY TO APARTMENT

- 25mm BOWS TO APARTMENTS
- 175mm SPRINKLER PIPEWORK
- 20mm HEATING FAN PIPES
- 5 No of 10mm CONDUITS FOR DOOR ENTRY, BT, HYPEROPTIC, TURMSAT AND POWER.

BLOCK A - L04 - MAINS DISTRIBUTION
1/30

09/16/22	14	TA	UPDATED AS CLOUSED
09/16/22	14	TA	UPDATED TO NEW ARCHITECT'S
09/16/22	14	TA	UPDATED CONSTRUCTION ISSUE
09/16/22	14	TA	CONSTRUCTION ISSUE
09/16/22	14	SP	PRELIMINARY ISSUE
Rev	Date	By	Description

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Client: **bugler**

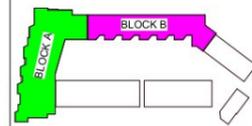
Architect: **ALAN CAMP ARCHITECTS**

Project: **LINDEN GROVE SOUTHWARK SE15 3LL**

Drawing: **BLOCK A - LEVEL 04 MAINS DISTRIBUTION LAYOUT**

Scale	Size	Engineer	Date
1:50	A0	SP	09/16/22

Drawing No. Rev
BDL1241-MWL-BA-04-DR-MEP-50104 C04



LOCATION PLAN

KEY - GENERAL

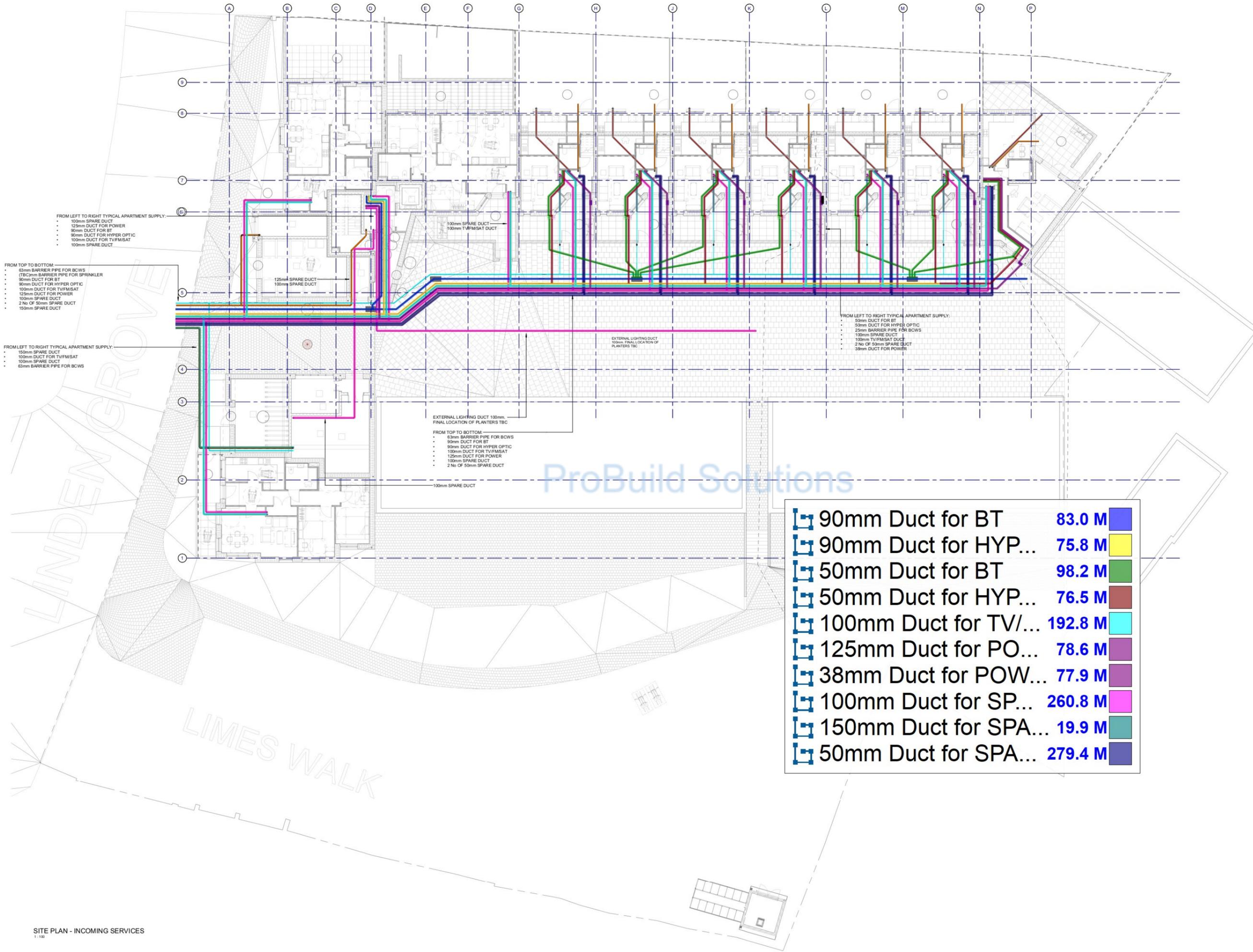
- SERVICES AT LOW LEVEL
- SERVICES BELOW FLOOR
- SERVICES IN CEILING VOID
- SERVICES IN VERTICAL RISERS

HL - HIGH LEVEL LL - LOW LEVEL
 F/A - FROM ABOVE F/B - FROM BELOW
 T/A - TO ABOVE T/B - TO BELOW

KEY - INCOMING MAINS

- ELECTRICITY MAINS
- WATER MAIN DISTRIBUTION
- GAS MAIN DISTRIBUTION
- BT DISTRIBUTION
- HYPER OPTIC
- LOW LEVEL
- FROM ABOVE
- FROM BELOW
- TO ABOVE
- TO BELOW
- ELECTRICITY RISER
- WATER RISER
- GAS RISER
- WATER STOPCOCK
- GAS STOPCOCK
- CONDENSATE UNIT
- EXTRACTION RISER
- BT DISTRIBUTION
- TV/FMSAT RISER
- HIGH OPTIC DISTRIBUTION

CABLE TV @ 20mm/30mm
 BT @ 20mm/30mm
 ELECTRICITY MAINS @ 40mm/50mm
 GAS MAIN @ 50mm/60mm
 WATER MAIN @ 50mm/60mm



FROM LEFT TO RIGHT TYPICAL APARTMENT SUPPLY:

- 100mm SPARE DUCT
- 125mm DUCT FOR POWER
- 90mm DUCT FOR BT
- 90mm DUCT FOR HYPER OPTIC
- 100mm DUCT FOR TV/FMSAT
- 100mm DUCT FOR TV/FMSAT
- 100mm SPARE DUCT

FROM TOP TO BOTTOM:

- 63mm BARRIER PIPE FOR BCWS
- 125mm BARRIER PIPE FOR SPRINKLER
- 90mm DUCT FOR BT
- 90mm DUCT FOR HYPER OPTIC
- 100mm DUCT FOR TV/FMSAT
- 125mm DUCT FOR POWER
- 100mm SPARE DUCT
- 2 No OF 50mm SPARE DUCT
- 150mm SPARE DUCT

FROM LEFT TO RIGHT TYPICAL APARTMENT SUPPLY:

- 150mm SPARE DUCT
- 100mm DUCT FOR TV/FMSAT
- 100mm SPARE DUCT
- 100mm SPARE DUCT
- 63mm BARRIER PIPE FOR BCWS

FROM LEFT TO RIGHT TYPICAL APARTMENT SUPPLY:

- 50mm DUCT FOR BT
- 50mm DUCT FOR HYPER OPTIC
- 25mm BARRIER PIPE FOR BCWS
- 100mm SPARE DUCT
- 100mm TV/FMSAT DUCT
- 2 No OF 50mm SPARE DUCT
- 38mm DUCT FOR POWER

EXTERNAL LIGHTING DUCT 100mm
 FINAL LOCATION OF PLANTERS TBC

FROM TOP TO BOTTOM:

- 63mm BARRIER PIPE FOR BCWS
- 90mm DUCT FOR BT
- 90mm DUCT FOR HYPER OPTIC
- 100mm DUCT FOR TV/FMSAT
- 125mm DUCT FOR POWER
- 100mm SPARE DUCT
- 2 No OF 50mm SPARE DUCT

90mm Duct for BT	83.0 M	Blue
90mm Duct for HYP...	75.8 M	Yellow
50mm Duct for BT	98.2 M	Green
50mm Duct for HYP...	76.5 M	Brown
100mm Duct for TV/...	192.8 M	Cyan
125mm Duct for PO...	78.6 M	Purple
38mm Duct for POW...	77.9 M	Dark Purple
100mm Duct for SP...	260.8 M	Pink
150mm Duct for SPA...	19.9 M	Teal
50mm Duct for SPA...	279.4 M	Dark Blue

C02	17.01.24	SM	TA	UPDATED TO NEW ARCHITECTS
C01	14.12.23	SM	TA	CONSTRUCTION ISSUE
P01	07.10.22	DJB	SP	PRELIMINARY ISSUE
Rev	Date	RVT	Chkd	Description

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bugler
 GROUP

ALAN CAMP ARCHITECTS

Project
 LINDEN GROVE
 SOUTHWARK
 SE15 3LL

Drawing
 BLOCK A - LEVEL 00
 MECHANICAL SERVICES LAYOUT

Scale	Size	Engineer	Date
As indicated	A0	SP	01/23/07
Drawing No.	Rev.		
BDL1241-MWL-ZZ-00-DR-MEP-40000 C02			