	File Name
n: Makwana, Sanjay	Date: 13/01/2016 15:05:02

	LIGHTING SYMBOLS			
SYMBOL	DESCRIPTION			
REFER TO SCHEDULE OF LUMINAIRES				
	EMERGENCY LIGHTING SYMBOLS			
SYMBOL	DESCRIPTION			
REFER TO SCHEDULE OF LUMINAIRES				

CAE	CABLE TRAY (PATTERN DENOTES TYPE)		
SYMBOL DESCRIPTION			
REFER TO ELECTRICAL DISTRIBUTION AND CONTAINMENT DRAWINGS			
O O TO THE OTHER PROPERTY OF THE OTHER PROPERTY OTHER PROPERTY OF THE OTHER PROPERTY OF THE OTHER PROPERTY OF THE OTHER PROPERTY OF THE OTHER PROPERTY			

TRUNKING (PATTERN DENOTES TYPE)		
SYMBOL DESCRIPTION		
REFER TO ELECTRICAL DISTRIBUTION AND CONTAINMENT DRAWINGS		

SYMBOL	DESCRIPTION	
\triangle	13A SOCKET OUTLET	
21	13A TWIN SOCKET OUTLET	
占	13A SWITCHED SOCKET OUTLET	
2 <u>/</u>	13A TWIN SWITCHED SOCKET OUTLET	
占	13A SWITCHED SOCKET OUTLET + NEON	
24	13A TWIN SWITCHED SOCKET OUTLET + NEON	
<u> </u>	FUSED SPUR	
<u> </u>	SWITCHED FUSED SPUR	
<u> </u>	FUSED SPUR + FLEX	
<u> </u>	SWITCHED FUSED SPUR + FLEX	
<u> </u>	FUSED SPUR + NEON	
<u>~</u>	SWITCHED FUSED SPUR + NEON	
<u> </u>	FUSED SPUR + NEON + FLEX	
<u></u>	SWITCHED FUSED SPUR + NEON + FLEX	
<u> </u>	DOUBLE POLE SWITCHED	
<u> </u>	DOUBLE POLE SWITCHED + NEON	
<u>Ľ</u>	DOUBLE POLE SWITCH + FLEX	
<u></u>	DOUBLE POLE SWITCH + FLEX + NEON	
<u></u>	RCD PROTECTED SOCKET OUTLET	
2 4	TWIN RCD PROTECTED SOCKET OUTLET	
	NON STANDARD SOCKET OUTLET	
五	TWIN NON STANDARD SOCKET OUTLET	
	SWITCHED NON STANDARD SOCKET OUTLET	
 Ж	SWITCHED TWIN NON STANDARD SOCKET OUTLET	
	SWITCHED NON STANDARD SOCKET OUTLET + NEON	
 <u>*</u> E	SWITCHED TWIN NON STANDARD SOCKET OUTLET + NEON	
	13A SOCKET OUTLET + FLAP	
	13A TWIN SOCKET OUTLET + FLAP	
 	13A SWITCHED SOCKET OUTLET + FLAP	
	13A SWITCHED TWIN SOCKET OUTLET + FLAP	
$\frac{\Delta}{\Box}$	SHAVER SOCKET	
	COOKER OUTLET	
<u></u>	3 GANG 13A SOCKET OUTLET	
<u></u> 光	3 GANG 13A SWITCHED SOCKET OUTLET	
 光	3 GANG 13A SWITCHED SOCKET OUTLET + NEON	
	BS4343 SOCKET OUTLET	
<u> </u>	BS4343 SWITCHED SOCKET OUTLET	
	BS4343 SWITCHED SOCKET OUTLET + INTERLOCK	
<u> </u>		
	OUTLET FLOOR BOX	
	FLOOR GROMMET	

\oslash	FLOOR GROMMET	
SECURITY SYMBOLS		
SYMBOL	DESCRIPTION	
SEC	SECURITY PANEL	
K	REMOTE KEYPAD	
/ଳ⊗\	ALARM SOUNDER AND STROBE	
<u></u>	ALARM SOUNDER	
©	MAGNETIC DOOR CONTACT	
Pa	PANIC BUTTON	
	VIBRATION DETECTOR	
Pr	PRESSURE SENSOR	
 ✓M	MAGNETIC DOOR DETENTE	
R	RELEASE BUTTON	
$\mathrel{\triangleleft} \mathrel{\vDash}$	ULTRASONIC DETECTOR	
	MICROWAVE DETECTOR	
$\mathrel{\triangleleft} \mathrel{\vDash}$	INFRA-RED DETECTOR	
O	ZOOM, PAN AND TILT CAMERA	
	FIXED POSITION CAMERA	
PSU	POWER SUPPLY UNIT	
INF	FIXED POSITION CAMERA + INFRA-RED LAMP	
INF	ZOOM, PAN AND TILT CAMERA + INFRA-RED LAMP	

SWITCHES		
SYMBOL	DESCRIPTION	
8	ONE WAY SWITCH	
3,	TWO WAY SWITCH	
<i>ð</i> *	INTERMEDIATE SWITCH	
8	DIMMER SWITCH	
A	PULL SWITCH	
3	PERIOD OPERATED SWITCH	
ø	TIMED SWITCH	
8*	KEY SWITCH	
(E)	PASSIVE DETECTOR	
PC	PHOTO CELL	
•	MOMENTARY PUSH SWITCH	
•	ILLUMINATED PUSH SWITCH	
②	RESTRCTED ACCESS SWITCH	
- ⊚-	ON/OFF PUSH BUTTON	

SYMBOL	DESCRIPTION	
So	OPTICAL SMOKE DETECTOR	
Si	IONIZATION SMOKE DETECTOR	
Ht	HEAT DETECTOR	
Hr	RATE OF RISE HEAT DETECTOR	
Tx	BEAM TRANSMITTER	
RX	BEAM RECEIVER	
<u>©</u>	OPTICAL SMOKE SOUNDER	
S	IONIZATION SMOKE SOUNDER	
	HEAT SOUNDER	
	RATE OF RISE HEAT SOUNDER	
•	MANUAL CALL POINT	
•	XENON BEACON	
\otimes	SIREN	
\boxtimes	REMOTE LED	
\widehat{T}	BELL	
$\overline{\Upsilon}$	BUZZER	
▼	SOUNDER	
\boxtimes	INTERFACE	
	INTERFACE 1 INPUT	
×	INTERFACE 2 INPUT	
M	MAGNETIC DOOR HOLD	
Dr	DOOR RELEASE	
0	MAIN PANEL	
2	REPEAT PANEL	
SCI	CIRCUIT ISOLATOR	
UM	UNIT MONITOR	
A	WALL SPAS SPEAKER	
A	CEILING SPAS SPEAKER	
▲ ^F	FIRE TELEPHONE	

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION	
	TRANSFORMER	
Δ	3 PHASE DELTA WINDING	
	3 PHASE STAR WINDING	
	3 PHASE STAR WINDING + NEUTRAL	
ζ,	3 PHASE ZIG ZAG WINDING	
<u> </u>	GENERATOR	
◆ ×◆	FIXED PATTERN CIRCUIT BREAKER	
(=X=)	WITHDRAWABLE PATTERN CIRCUIT BREAKER	
_/×	AIR CIRCUIT BREAKER	
/a	FUSE SWITCH DISCONNECTOR (ON LOAD)	
_// ⊢	FUSE SWITCH DISCONNECTOR (OFF LOAD)	
-8-	FUSE	
/a	SWITCH DISCONNECTOR (ON LOAD)	
- ∕-⊢	SWITCH DISCONNECTOR (OFF LOAD)	
- * 0-	MINIATURE CIRCUIT BREAKER	
-6 0-	SWITCH	
	LINK	
	PLUG AND SOCKET	
—M	MOTOR OPERATED (OR OPERATOR)	
<u> </u>	EARTHING POINT	
\otimes	INDICATION LAMP	
∞	CURRENT TRANSFORMER	
- Z -	UNINTERUPTABLE POWER SUPPLY	
	RECTIFIER	
	INVERTOR	
	BATTERY	
60	MAKE CONTACT, NORMALLY OPEN	
0-0	BREAK CONTACT, NORMALLY CLOSED	
00	CHANGEOVER CONTACTOR, BREAK BEFORE MAKE	
00	CHANGEOVER CONTACTOR, MAKE BEFORE BREAK	
0 0	TWO WAY CONTACT, WITH OFF POSITION	
<u>•</u>	MAKE CONTACT, DELAYED MAKE	
•	BREAK CONTACT, DELAYED BREAK	
<u>∘</u> ▼∘	MAKE CONTACT, DELAYED BREAK	
	BREAK CONTACT, DELAYED MAKE	
Ť	MAKE CONTACT, PUSH BUTTON	
ο <u>Γ</u> ο	BREAK CONTACT, PUSH BUTTON	
0_7	MECHANICALLY LATCHED HAND RESET MAKE CONTACT	
0 0	MECHANICALLY LATCHED HAND RESET BREAK CONTACT	

ELECTRICAL SUPPLY SYMBOLS		
SYMBOL	DESCRIPTION	
	MAIN SWITCHBOARD	
	SP & N DISTRIBUTION BOARD	
	TP & N DISTRIBUTION BOARD	
	ISOLATOR	
	ISOLATOR C/W ANCILLARY	
Z_{\vdash}	SP & N FUSED SWITCH	
\boxtimes	MISCELLANEOUS CONTROL PANEL	
ΩΩ	MOTOR CONTROL PANEL	
Q	PREDOMINANTLY MOTOR LOAD	
\boxtimes	CHANGEOVER SWITCH	
\boxtimes_{\vdash}	MANUAL CHANGEOVER SWITCH	
\Box	CONTACTOR	
igwedge	MOTOR STARTER	
<u></u>	MANUAL MOTOR STARTER	
lacksquare	STAR DELTA STARTER	
*	THYRISTOR CONTROLLED STARTER	
\square	REVERSING STARTER	
\boxtimes	STEPPED STARTER	
\searrow	AUTO-TRANSFER STARTER	
	STARTER REGULATORY	
	STARTER C/W AUTO RELEASE	
(1)	SINGLE PHASE MOTOR	

THREE PHASE MOTOR

RELAY COIL

SYMBOL	DESCRIPTION		
<u> </u>	SURGE PROTECTOR		
<u> </u>	AMMETER		
	VOLT METER		
W	WATT METER		
(kW)	KILOWATT METER		
kWh	KILO WATT HOUR METER		
(kWh) m	KILO WATT HOUR METER (M DENOTES MAXIMUM DEMAND)		
pf	POWER FACTOR INDICATION METER		
Hz	FREQUENCY METER		
var	REACTIVE VOLT AMPERE METER		
0	SYNCHROSCOPE		
2	TIME DELAY STARTING OR CLOSING RELAY		
3	CHECKING OR INTERLOCK RELAY		
(12)	OVERSPEED DEVICE/RELAY		
(14)	UNDERSPEED DEVICE/RELAY		
(15)	SPEED OR FREQUENCY MATCHING DEVICE/RELAY		
25)	SYNCRONISING OR CHECK SYNCRONISM RELAY		
27)	UNDER VOLTAGE RELAY		
32)	DIRECTIONAL POWER RELAY (REVERSE POWER)		
49)	MACHINE/TRANSFORMER THERMAL RELAY		
50)	INSTANTANEOUS OVERCURRENT RELAY		
51)	A.C. TIME OVERCURRENT RELAY		
(51N)	RESIDUAL EARTH FAULT RELAY		
59)	OVER VOLTAGE RELAY		
(63)	LIQUID OR GAS PRESSURE RELAY		
64)	RESTRICTED EARTH FAULT RELAY		
67)	A.C. DIRECTIONAL OVERCURRENT RELAY		
81)	FREQUENCY RELAY (OVER & UNDER)		
86	LOCKOUT RELAY (MASTER TIP)		
87	DIFFERENTIAL PROTECTIVE RELAY		
- 60+	ONE WAY SWITCH		
-	TWO WAY SWITCH		

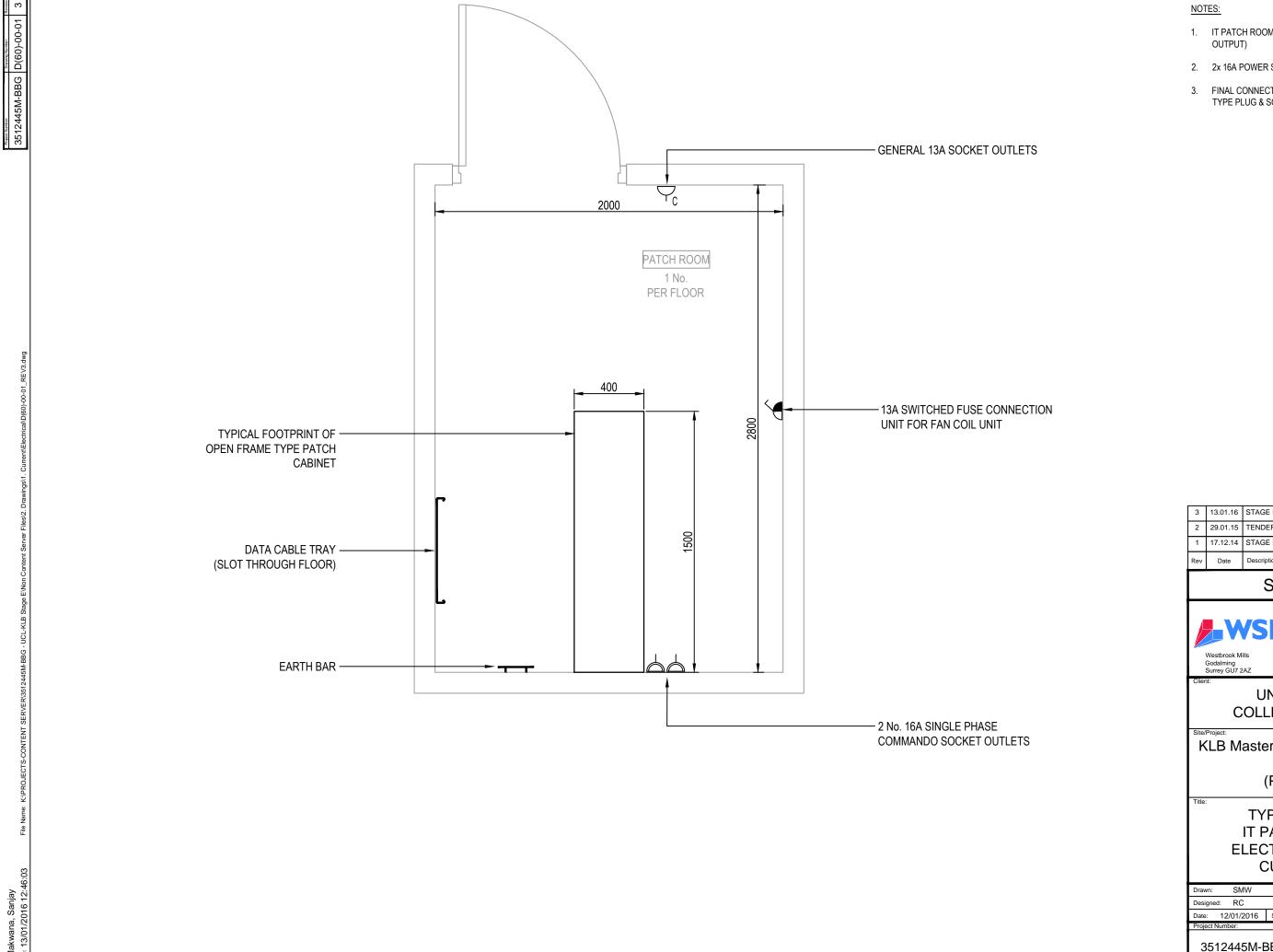
COMMUNICATION SYMBOLS			
SYMBOL	DESCRIPTION		
Δ	STANDARD COMMUNICATIONS OUTLET		
	TELEPHONE OUTLET	TELEPHONE OUTLET	
▲ ^D	DATA OUTLET	DATA OUTLET	
▲ DT	TELEPHONE/DATA OUTLET	TELEPHONE/DATA OUTLET	
$\triangle^{\!\scriptscriptstyleM}$	MODEM OUTLET	MODEM OUTLET	
$\triangle^{\!\scriptscriptstyleF}$	FAX OUTLET	FAX OUTLET	
\triangle^{FM}	FM OUTLET	FM OUTLET	
$\triangle^{\!\scriptscriptstyle{ extsf{TV}}}$	TELEVISION OUTLET	TELEVISION OUTLET	
△ CCTV	CCTV OUTLET	CCTV OUTLET	
\triangle^{PTV}	PRIVATE TELEVISION OUTLET	PRIVATE TELEVISION OUTLET	
<u>(</u>	CLOCK		
П	SPEAKER		

	PUBLIC ADDRESS SYSTEM SYMBOLS						
SYMBOL	DESCRIPTION						
•	CEILING MOUNTED P.A. SPEAKER						
	WALL MOUNTED P.A. SPEAKER						
->	FLASHING BEACON						
V	CEILING MOUNTED VOICE ALARM SPEAKER						
V	CABINET MOUNTED VOICE ALARM SPEAKER						
	OUTLET POINT						
	CABINET SPEAKER						
	SPEAKER						
\bigcirc	CEILING MOUNTED SPEAKER						
D	P.A. MICROPHONES						
>							
	C.D. PLAYER						

		0111022					- 110		
2 29.01.15 STAGE E TENDER ADDENDUM ONE							RC	DT	
1 17.12.14 STAGE E TENDER ISSUE						RC	DT		
Rev	Rev Date Description							Арр	
	STAGE D								
	Westbrook Mills Godalming Surrey GU7 2AZ PARSONS BRINCKERHOFF Tel: 44-(0)1483-528400 Fax: 44-(0)1483-528989								
	UNIVERSITY COLLEGE LONDON								
	Project: LB Ma	sterp	an Re (PSO			nent	Pro	ject	
Title	ELECTRICAL SERVICES SYMBOLS LEGEND								
Drav	vn: F	RW		Checked	:	RC			
Desi	gned: F	RC		Approved	d:	DT			
Date	: 12/0	1/2016	Scale:	NTS	A1	Sheet:	1	of 1	
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RC DW

3 13.01.16 STAGE D ISSUE



- 1. IT PATCH ROOM REQUIRES COOLING (3kW HEAT
- 2. 2x 16A POWER SUPPLIES REQUIRED PER RACK.
- 3. FINAL CONNECTION TO RACK VIA COMMANDO TYPE PLUG & SOCKET OUTLET.

3	13.01.16	STAGE D ISSUE	RC	DW	
2	29.01.15	TENDER ADDENDUM ONE	RC	DT	i
1	17.12.14	STAGE E TENDER ISSUE	RC	DT	i
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STAGE D





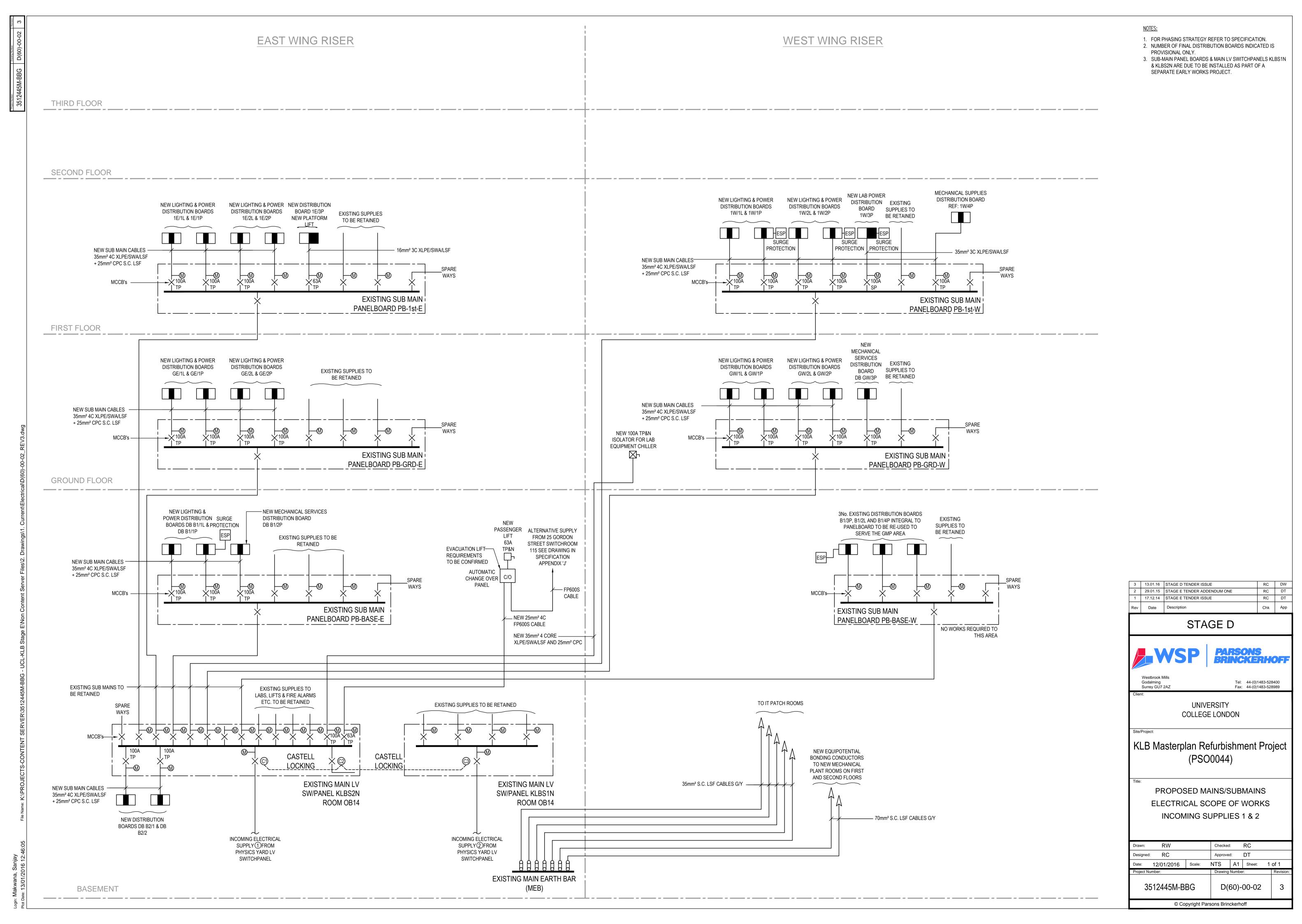
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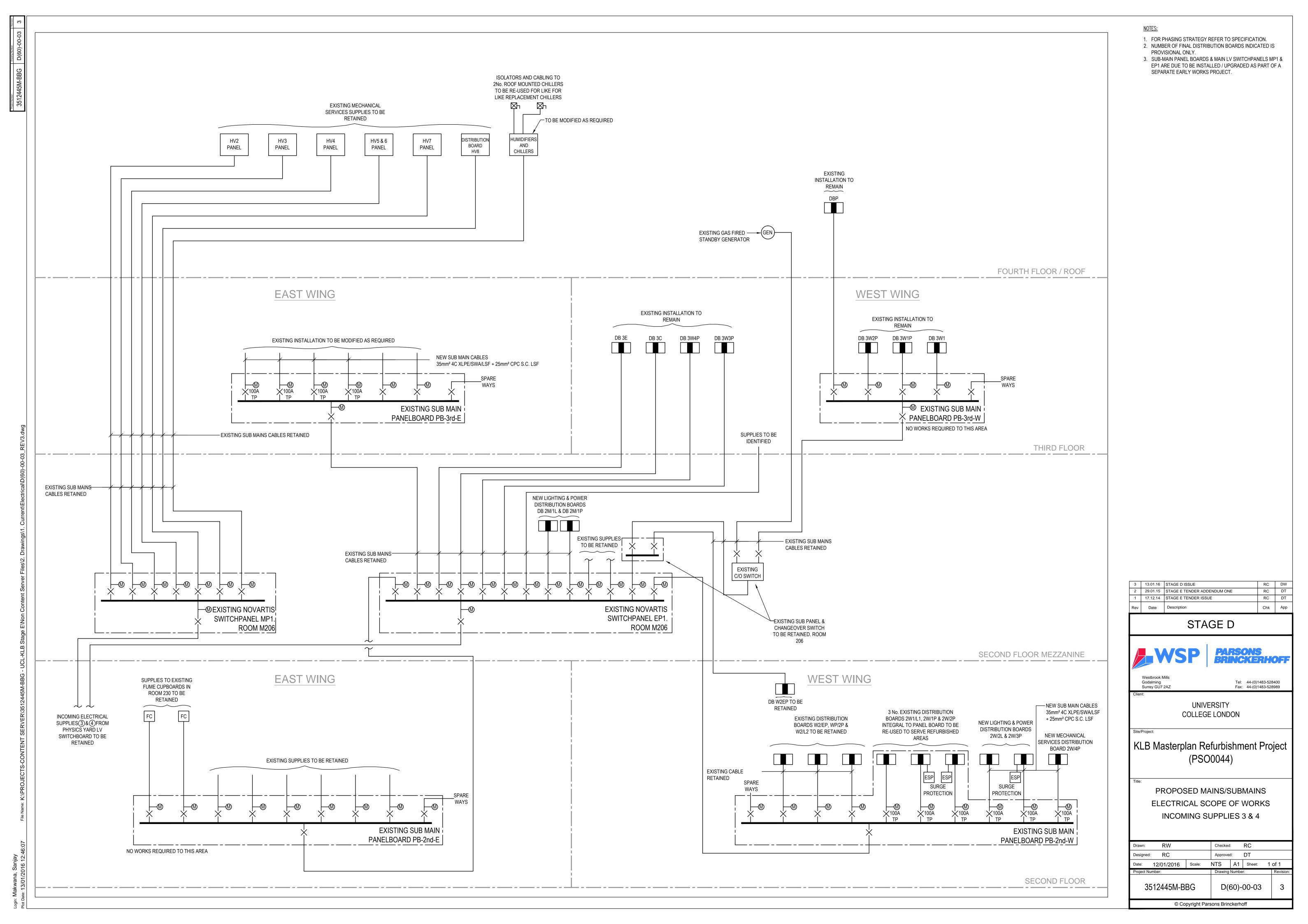
UNIVERSITY COLLEGE LONDON

KLB Masterplan Refurbishment Project (PSO0044)

> TYPICAL WING IT PATCH ROOM **ELECTRICAL RISER CUPBOARD**

Drawn: SMW	Checke	d:	RC		
Designed: RC		Approved: SN			
Date: 12/01/2016	Scale: N	NTS A3 Sheet:			
Project Number:	Drawing Number:			Revision:	
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DATA CABLING FIBRE BACKBONE **EAST WEST** WING WING NOTES: ΙT ΙT RISER 1. THIS DRAWING TO BE READ IN CONJUNCTION WITH RISER SERVICES SPECIFICATION & UCL-ISD TECHNICAL SPECIFICATION. DATA OUTLETS ARE INDICATED ON THE POWER & DATA LAYOUT DRAWINGS. **EXISTING EXISTING** CABLING CABLING **ROOF** ROOF LOCATION PLAN **EXISTING** CABINET **EXISTING** 1/NOV CABLING CABLING THIRD THIRD **ROOM 339** EXISTING & NEW CABLING SECOND MEZZANINE SECOND MEZZANINE NEW EXISTING CABLING CABINET NEW CABLING **SECOND SECOND ROOM TBC NEW CABLING NEW CABLING** 3 13.01.16 STAGE D ISSUE RC DW 29.01.15 TENDER ADDENDUM ONE **FIRST FIRST** 17.12.14 STAGE E TENDER ISSUE RC DT CABINET STAGE D NEW **NEW CABLING** CABLING **GROUND GROUND ROOM TBC** Tel: 44-(0)1483-528400 Fax: 44-(0)1483-528989 Godalming Surrey GU7 2AZ UNIVERSITY **COLLEGE LONDON EXISTING** EXISTING CABLING EXISTING CABINET CABINET 1/18 KLB Masterplan Refurbishment Project **NEW CABLING** (PSO0044) ROOM OB12 BASEMENT 1 MACHINE ROOM OB30 **BASEMENT 1 ROOM OB28 INDICATIVE NEW CABLING** DATA CABLING SCHEMATIC **BASEMENT 2 BASEMENT 2** Approved: SN 3512445M-BBG D(60)-00-04 © Copyright Parsons Brinckerhoff

Login: Makwana, Sanjay 3512445M-BBG D(60)-00-05 Plot Date: 20/01/2016 17:37:54 File Name: K:\PROJECTS-CONTENT SERVER\3512445M-BBG - UCL-KLB Stage E\Non Content Server Files\2. Drawings\1. Current\Electrical\D(60)-00-05_REV4.dwg 1st EAST 3rd EAST ROOF-SUB-BASEMENT BASEMENT EAST GROUND EAST 2nd MEZZANINE LOOP LOOP LOOP EMERGENCY LUMINAIRE (INTEGRAL TYPE NM) EMERGENCY BULKHEAD LUMINAIRE (NON-MAINTAINED) EMERGENCY LUMINAIRE (INTEGRAL TYPE NM) LOOP 3 EMERGENCY BULKHEAD LUMINAIRE (NON-MAINTAINED) EMERGENCY LUMINAIRE (INTEGRAL TYPE NM) EMERGENCY BULKHEAD LUMINAIRE (NON-MAINTAINED) EMERGENCY EXIT SIGN EMERGENCY EXIT SIGN EMERGENCY EXIT SIGN 4 ယ MINIMAL WORKS ANTICIPATED TO BASEMENT EAST COMPLETE REFURBISHMENT
OF GROUND FLOOR EAST PART REFURBISHMENT OF SUB-BASEMENT EAST REFURBISHMENT OF PART 2ND FLOOR MEZZ MINIMAL WORKS ANTICIPATED
TO 2ND FLOOR EAST COMPLETE REFURBISHMENT
OF 1ST FLOOR EAST EMERGENCY EXIT SIGN EMERGENCY EXIT SIGN EMERGENCY EXIT SIGN EMERGENCY LUMINAIRE (INTEGRAL TYPE NM) EMERGENCY LUMINAIRE (INTEGRAL TYPE NM) EMERGENCY BULKHEAD LUMINAIRE (NON-MAINTAINED) EMERGENCY BULKHEAD LUMINAIRE (NON-MAINTAINED) EMERGENCY
BULKHEAD
LUMINAIRE
(NON-MAINTAINED) EMERGENCY BULKHEAD LUMINAIRE (NON-MAINTAINED) EMERGENCY
BULKHEAD
LUMINAIRE
(NON-MAINTAINED) EAST PANEL. (EXISTING LOCATED AT THE MAIN ENTRANCE LOBBY) MINIMAL WORKS ANTICIPATED
TO 3RD FLOOR & ROOF PART REFURBISHED OF BASEMENT WEST WEST COMPLETE REFURBISHMENT
OF GROUND FLOOR WEST COMPLETE REFURBISHMENT
OF 1ST FLOOR WEST COMPLETE REFURBISHMENT
OF 2ND FLOOR WEST EMERGENCY EXIT SIGN EMERGENCY EXIT SIGN EMERGENCY EXIT SIGN EMERGENCY EXIT SIGN EMERGENCY LUMINAIRE (INTEGRAL TYPE EMERGENCY LUMINAIRE (INTEGRAL TYPE NIM) EMERGENCY LUMINAIRE (INTEGRAL TYPE NM) EMERGENCY LUMINAIRE (INTEGRAL TYPE NM) EMERGENCY BULKHEAD LUMINAIRE (NON-MAINTAINED) EMERGENCY BULKHEAD LUMINAIRE (NON-MAINTAINED) EMERGENCY BULKHEAD LUMINAIRE (NON-MAINT AINED) EMERGENCY
BULKHEAD
LUMINAIRE
(NON-MAINTAINED) EMERGENCY BULKHEAD LUMINAIRE (NON-MAINT AINED) EMERGENCY LUMINAIRE (INTEGRAL TYPE NM) EMERGENCY EXIT SIGN

2nd WEST

1st WEST

BASEMENT WEST

KLB Masterplan Refurbishment Project (PSO0044)

UNIVERSITY COLLEGE LONDON

EMERGENCY LIGHTING

SYSTEM SCHEMATIC

3512445M-BBG

D(60)-00-05

20/01/2016 Scale

GROUND WEST

STAGE

 \Box

CONTRACTOR IS TO EMPLOY ADVANCED TO RE-COMMISSION THE EXISTING SYSTEM.

3rd WEST

CONTRACTOR TO REFER ACCOMPANYING LIGHTING LAYOUTS FOR THE QUANTITIES OF NEW EMERGENCY LUMINAIRES TO REPLACE EXISTING.

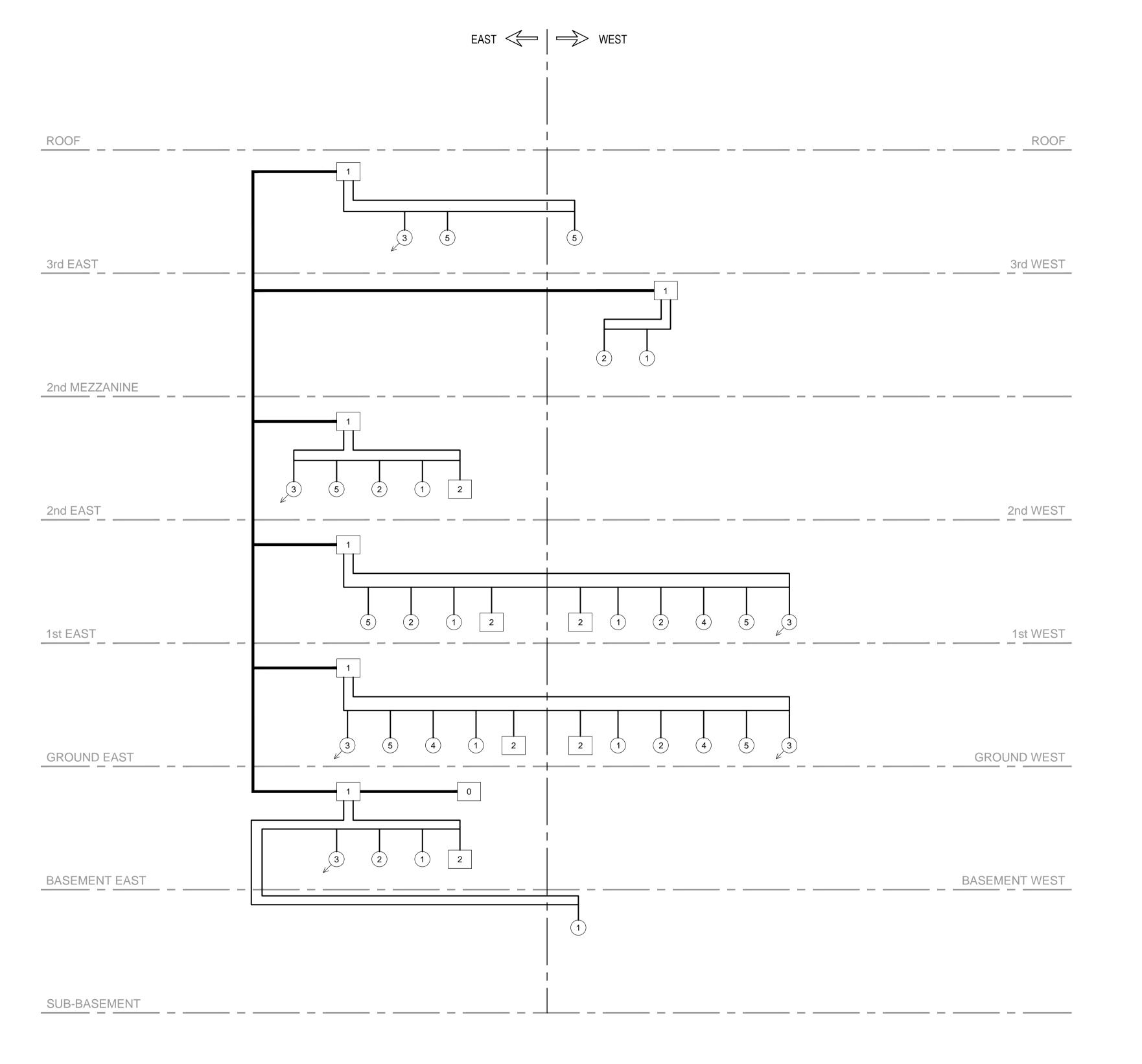
ROOF

3. THE EXISTING 4 LOOPS ADVANCED 'LITE' ADDRESSABLE EMERGENCY LIGHTING CONTROL PANEL IS LOCATED AT THE MAIN ENTRANCE ON THE GROUND FLOOR NEXT TOP. EACH LOOP HAS A CAPCITY TO FEED 249 LUMINAIRES. CONTRACTOR TO REFER TO THE RECORD INFORMATION TO UNDERSTAND THE EXISTING EMERGENCY LIGHTING ARRANGEMENT AND THE QUANTITIES OF EXISTING LUMINAIRES ON EACH LOOP.

2. WHEREVER POSSIBLE, THE CONTRACTOR SHALL USE THE EXISTING CABLE TO INSTALL THE NEW EMERGENCY LUMINAIRES.

1. THIS SCHEMATIC TO BE READ IN CONJUNCTION WITH THE SPECIFICATION AND RECORD INFORMATION.

NOTES:



N

LEGEND:

1 MLS2421 DALI SM

2 MLS2401 CDR

(4) MLS2001 CDR

3 MLS2400 DALI

0 MLSUCA-SYSTEM INTERFACE

2 CDW12U5-BDALI-LCM

BELDEN 9502

——— BELDEN 8473

RB2000-AREA CONTROLLER

5 MLS2001 MB DALI SM

- THIS SCHEMATIC TO BE READ IN CONJUNCTION WITH THE SPECIFICATION.
- CONTRACTOR TO REFER ACCOMPANYING LIGHTING LAYOUTS FOR POSITIONING AND QUANTITIES OF THE LIGHTING CONTROL COMPONENTS.
- 3. CONTRACTOR IS TO COMMISSION LIGHTING CONTROL MANUFACTURER, X-OR, HONEYWELL TO SURVEY SITE AND CONFIRM COMPONENT TYPES, QUANTITY AND INSPECT CONDITION OF THE EXISTING CONTROL SYSTEM.

 3
 13.01.16
 STAGE D ISSUE
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 2
 29.01.15
 STAGE E TENDER ADDENDUM ONE
 RC
 DT

 1
 17.12.14
 STAGE E TENDER ISSUE
 RC
 DT

 Rev
 Date
 Description
 Chk
 App

WSP

Westbrook Mills
Godalming
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Surrey GU7 2AZ
Fax: 44-(0)1483-528989

UNIVERSITY COLLEGE LONDON

Site/Project:

KLB Masterplan Refurbishment Project (PSO0044)

Title:

LIGHTING CONTROL SCHEMATIC

 Drawn:
 RW
 Checked:
 RC

 Designed:
 RC
 Approved:
 DT

 Date:
 12/01/2016
 Scale:
 NTS
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 Sheet:
 1 of 1

 Project Number:
 Drawing Number:
 Revision:

 3512445M-BBG
 D(60)-00-07
 3

MAJOR ELECTRICAL WORKS

TYTYTY
MINOR ELECTRICAL WORKS



- CONTAINMENT ROUTES INDICATED ARE MAIN ROUTES ONLY.
 THE CONTRACTOR SHOULD ALLOW FOR ALL SECONDARY
 CONTAINMENT ROUTES NECESSARY TO PROVIDE A COMPLETE
 INSTALLATION.
- EXISTING CONTAINMENT MAY BE USED IN LIEU OF NEW SUBJECT TO SUITABILITY.
- 3. EXISTING METERING CABLE TRAY TO BE RETAINED AND MODIFIED AS REQUIRED.
- 4. ALL DISTRIBUTION BOARDS TO BE ENCLOSED WITHIN LOCKABLE CUPBOARDS OR LOCATED WITHIN PLANT ROOMS.
- 5. 600mm FLOOR TO CEILING/SOFFIT CABLE TRAY OR BASKET TO BE PROVIDED IN PATCH ROOMS & IT RISERS.
- CABLE TRAYS AND TRUNKINGS IN CORRIDORS AND AREAS WHERE EXPOSED ARE TO BE DOUBLE STACKED WHEREVER POSSIBLE.
- 7. IT AND ANCILLARY CABLE TRAYS ARE TO BE UNPERFORATED TYPE. SUB MAIN CABLE TRAYS TO BE PERFORATED TYPE LOCATED ABOVE IT ANCILLARY TRAYS WHEREVER POSSIBLE.
- 8. CONTRACTOR IS TO SUBMIT PROPOSALS FOR CO-ORDINATED SETTING OUT OF EXPOSED SERVICES FOR APPROVAL.
- 9. TRUNKING AND CABLE TRAY/BASKET SIZES AND ROUTES INDICATED ON THE DRAWINGS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL CARRY OUT HIS OWN ASSESSMENT AND INCORPORATE SUFFICIENT CONTAINMENT TO ALL THE CABLING REQUIREMENTSIN ACCORDANCE WITH THE STANDARDS.
- BE AGREED POST TENDER WITH ARCHITECT. DUCTWORK AND ELECTRICAL CONTAINMENT TO FOLLOW THE SAME ROUTE WHERE EXPOSED AND BE FULLY CORDINATED.

 11. ALL CONTAINMENT SIZES SHOWN ARE INDICATIVE ONLY AND ARE TO BE FULLY DESIGNED BY THE CONTRACTOR WITH THE APPROPRIATE SPARE CAPACITY

10. SETTING OUT PRINCIPLES FOR ALL CONTAINMENT RUNS TO

LEGEND

50x75mm GENERAL LIGHTING & 100x75mm POWER

CABLE TRUNKING AT HL

IT COMMS CABLE TRAY/BASKET AT HL FOR CAT 6 &
FIBRE CABLES

ANCILLARY SERVICES CABLE TRAY/BASKET AT HL (FIRE, SECURITY, ALARMS, BMS) FIRE ALARMS TO RUN ON SEPARATE CABLE TRAY

SUB-MAINS POWER CABLE TRAY AT HL

SUB-MAINS POWER BOARD

MAIN LV SWITCH PANEL

NEW 3 PHASE FINAL DISTRIBUTION BOARD

⊠n ISOLATOR

	4	20.01.16	STAGE D ISSUE	RC	DW
	3	13.01.16	STAGE D ISSUE	RC	DW
	2	29.01.15	STAGE E TENDER ADDENDUM ONE	RC	DT
	1	17.12.14	STAGE E TENDER ISSUE	RC	DT
	Rev	Date	Description	Chk	Арр
1					

STAGE D



Westbrook Mills
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UNIVERSITY COLLEGE LONDON

KLB Masterplan Refurbishment Project (PSO0044)

Ground Floor

Electrical Distribution & Containment Routes

Drawn: SM	Checked: Checker						
Designed: RC	Designed: RC			Approved: DT			
Date: 10/14/14	Scale: As ir	dicated	A1	Sheet:			
Project Number:		Drawing Number:			Revision:		
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- 1. CONTAINMENT ROUTES INDICATED ARE MAIN ROUTES ONLY. THE CONTRACTOR SHOULD ALLOW FOR ALL SECONDARY CONTAINMENT ROUTES NECESSARY TO PROVIDE A COMPLETE INSTALLATION.
- 2. EXISTING CONTAINMENT MAY BE USED IN LIEU OF NEW SUBJECT TO SUITABILITY.
- 3. EXISTING METERING CABLE TRAY TO BE RETAINED AND MODIFIED AS REQUIRED.
- 4. ALL DISTRIBUTION BOARDS TO BE ENCLOSED WITHIN LOCKABLE CUPBOARDS OR LOCATED WITHIN PLANT ROOMS.
- 5. 600mm FLOOR TO CEILING/SOFFIT CABLE TRAY OR BASKET TO BE PROVIDED IN PATCH ROOMS & IT RISERS.
- 6. CABLE TRAYS AND TRUNKINGS IN CORRIDORS AND AREAS WHERE EXPOSED ARE TO BE DOUBLE STACKED WHEREVER POSSIBLE.
- 7. IT AND ANCILLARY CABLE TRAYS ARE TO BE UNPERFORATED TYPE. SUB MAIN CABLE TRAYS TO BE PERFORATED TYPE LOCATED ABOVE IT ANCILLARY TRAYS WHEREVER POSSIBLE.
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50x75mm GENERAL LIGHTING & 100x75mm POWER CABLE TRUNKING AT HL

IT COMMS CABLE TRAY/BASKET AT HL FOR CAT 6 & FIBRE CABLES

ANCILLARY SERVICES CABLE TRAY/BASKET AT HL (FIRE, SECURITY, ALARMS, BMS) FIRE ALARMS TO RUN ON SEPARATE CABLE TRAY

SUB-MAINS POWER CABLE TRAY AT HL

SUB-MAINS POWER BOARD

MAIN LV SWITCH PANEL

NEW 3 PHASE FINAL DISTRIBUTION BOARD

⊠n ISOLATOR

	20.01.16	STAGE D ISSUE	RC	DW
	13.01.16	STAGE D ISSUE	RC	DW
	29.01.15	STAGE E TENDER ADDENDUM ONE	RC	DT
	17.12.14	STAGE E TENDER ISSUE	RC	DT
,	Date	Description	Chk	App

STAGE D



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KLB Masterplan Refurbishment Project (PSO0044)

Ground Floor

Electrical Distribution & Containment Routes

Sheet 2 of 2

Checked: Checker Approved: DT Designed: RC 10/14/14 Scale: As indicated A1 Sheet: Project Number: Drawing Number: L(60)-00-02 3512445M-BBG © Copyright Parsons Brinckerhoff

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SUB-MAINS POWER CABLE TRAY AT HL SUB-MAINS POWER BOARD

FIBRE CABLES

MAIN LV SWITCH PANEL

NEW 3 PHASE FINAL DISTRIBUTION BOARD

Rev	Rev Date Description		Chk	App
1	17.12.14	STAGE E TENDER ISSUE	RC	DT
2	29.01.15	STAGE E TENDER ADDENDUM ONE	RC	DT
3	13.01.16	STAGE D ISSUE	RC	DW
4	20.01.16	STAGE D ISSUE	RC	DW

STAGE D



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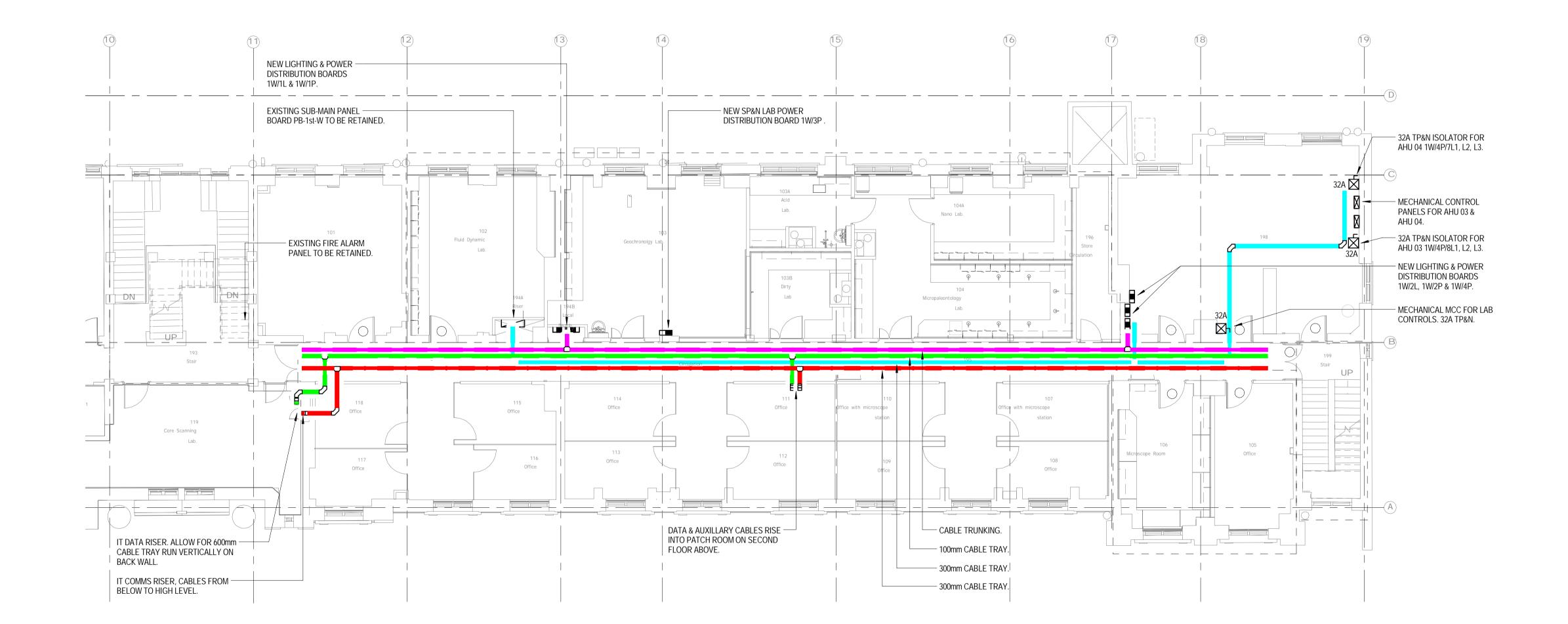
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KLB Masterplan Refurbishment Project (PSO0044)

Electrical Distribution & Containment Routes

First Floor

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SUB-MAINS POWER CABLE TRAY AT HL

SUB-MAINS POWER BOARD

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MAIN LV SWITCH PANEL

NEW 3 PHASE FINAL DISTRIBUTION BOARD

⊠n ISOLATOR

4	20.01.16	STAGE D ISSUE	RC	DW
3	13.01.16	STAGE D ISSUE	RC	DW
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Rev	Date	Description	Chk	App

STAGE D



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KLB Masterplan Refurbishment Project (PSO0044)

First Floor

Electrical Distribution & Containment Routes

Sheet 2 of 2

Drawn: SM Checked: Checker

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Date: 10/14/14 Scale: As indicated A1 Sheet:

Project Number: Drawing Number: Revision:

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SUB-MAINS POWER BOARD

MAIN LV SWITCH PANEL

NEW 3 PHASE FINAL DISTRIBUTION BOARD

4	20.01.16	STAGE D ISSUE	RC	DW
3	13.01.16	STAGE D ISSUE	RC	DW
2	29.01.15	STAGE E TENDER ADDENDUM ONE	RC	DT
1	17.12.14	STAGE E TENDER ISSUE	RC	DT
Rev	Date	Description	Chk	App

STAGE D



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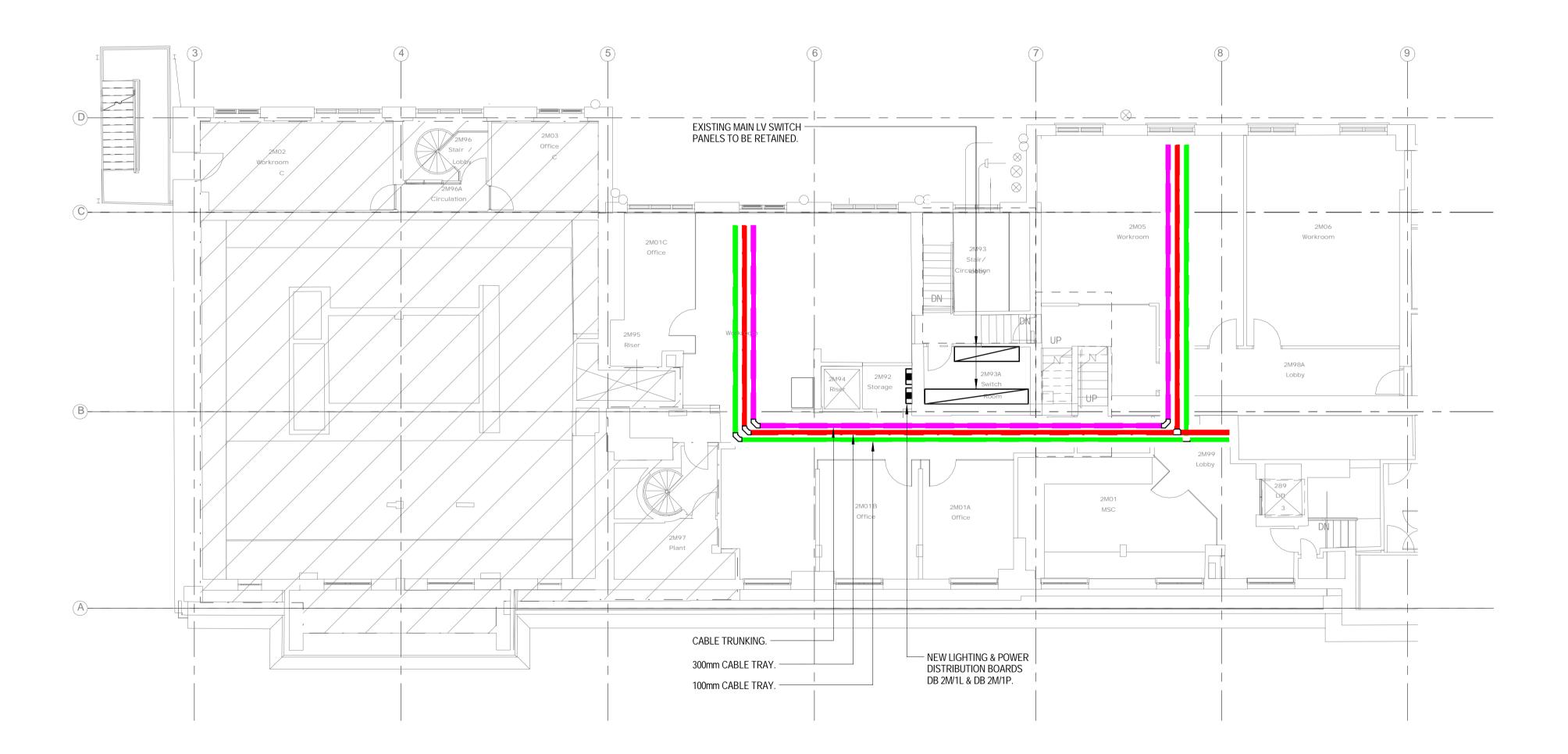
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KLB Masterplan Refurbishment Project (PSO0044)

Second Floor

Electrical Distribution & Containment Routes

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SUB-MAINS POWER CABLE TRAY AT HL

SUB-MAINS POWER BOARD

MAIN LV SWITCH PANEL

NEW 3 PHASE FINAL DISTRIBUTION BOARD

1	17.12.14	STAGE E TENDER ISSUE	RC	DT
2	29.01.15	STAGE E TENDER ADDENDUM ONE	RC	DT
3	13.01.16	STAGE D ISSUE	RC	DW
4	20.01.16	STAGE D ISSUE	RC	DW

STAGE D



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KLB Masterplan Refurbishment Project (PSO0044)

Second Floor Mezzanine Electrical Distribution & Containment Routes

Sheet 1 of 1

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SUB-MAINS POWER CABLE TRAY AT HL

SUB-MAINS POWER BOARD

MAIN LV SWITCH PANEL

NEW 3 PHASE FINAL DISTRIBUTION BOARD

⊠n ISOLATOR

4	20.01.16	STAGE D ISSUE	RC	DW
3	13.01.16	STAGE D ISSUE	RC	DW
2	29.01.15	STAGE E TENDER ADDENDUM ONE	RC	DT
1	17.12.14	STAGE E TENDER ISSUE	RC	DT
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STAGE D



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KLB Masterplan Refurbishment Project (PSO0044)

Third Floor

Electrical Distribution & Containment Routes

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SUB-MAINS POWER BOARD

MAIN LV SWITCH PANEL

NEW 3 PHASE FINAL DISTRIBUTION BOARD

SUB-MAINS POWER CABLE TRAY AT HL

 4
 20.01.16
 STAGE D ISSUE
 RC
 DW

 3
 13.01.16
 STAGE D ISSUE
 RC
 DW

 2
 29.01.15
 STAGE E TENDER ADDENDUM ONE
 RC
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KLB Masterplan Refurbishment Project (PSO0044)

Basement Level 1

Electrical Distribution & Containment Routes

Sheet 1 of 2

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SUB-MAINS POWER CABLE TRAY AT HL

SUB-MAINS POWER BOARD

MAIN LV SWITCH PANEL

NEW 3 PHASE FINAL DISTRIBUTION BOARD

⊠n ISOLATOR

6	20.01.16	STAGE D ISSUE	RC	DW
5	13.01.16	STAGE D ISSUE	RC	DW
4	13.07.15	GMP Layout updated	RC	DT
3	26.05.15	Architectural update to GMP Lab	RC	DT
2	29.01.15	STAGE E TENDER ADDENDUM ONE	RC	DT
1	17.12.14	STAGE E TENDER ISSUE	RC	DT
Rev	Date	Description	Chk	Арр

STAGE D



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KLB Masterplan Refurbishment Project (PSO0044)

Basement Level 1

Electrical Distribution & Containment Routes

Sheet 2 of 2

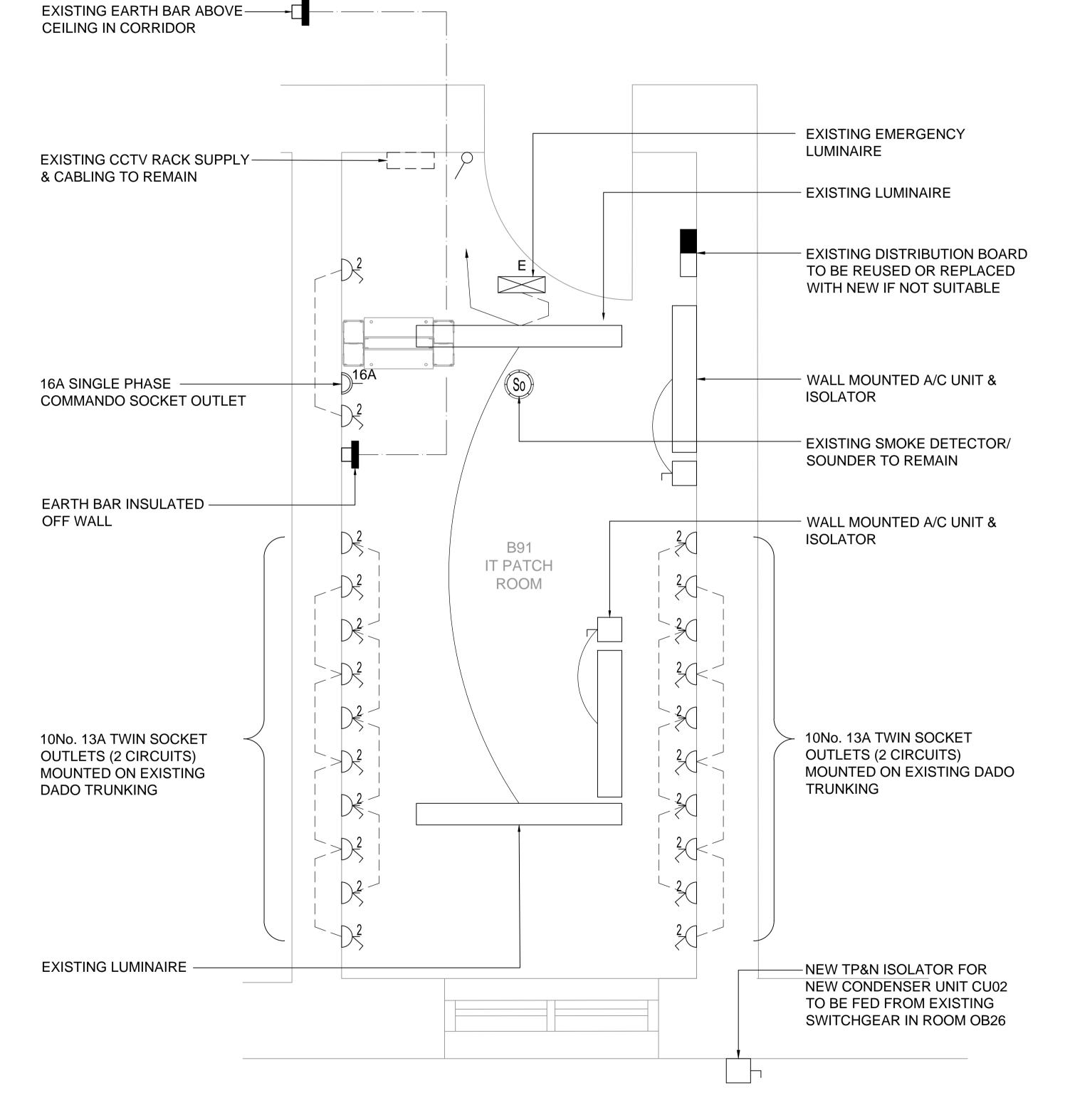
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Project Number: Drawing Number: Revision:

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- EXISTING REDUNDANT COMMUNICATION IT DATA CABLES IN GMP LAB AND IN THE NEW B01 AND B02 LAB AREAS ARE TO BE REMOVED BY ISD. REMOVAL OF REDUNDANT CABLING SHOULD HAVE BEEN ALLOWED FOR IN THE MAIN WORKS.
- CONTAINMENT ROUTE FOR IT DATA CABLES THROUGH MAIN COMPUTER ROOM WAS AGREED AND IS INDICATED ON PREVIOUSLY ISSUED DRAWING.

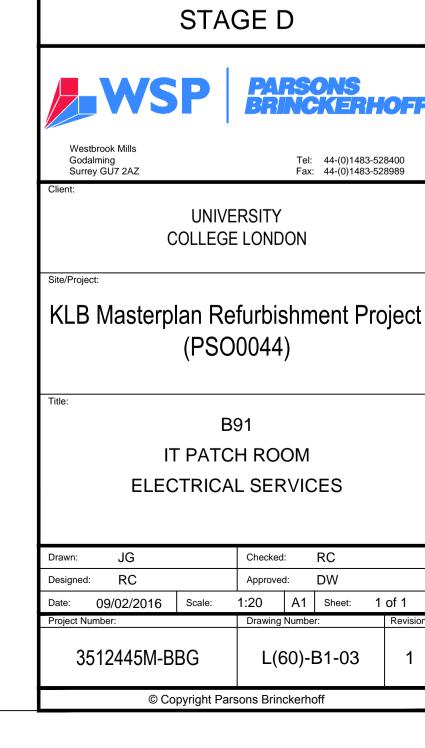
THE AGREED SCOPE FOR 0B28/B91 IS AS FOLLOWS:

- 3. NO DIVIDING INTERNAL WALL IS REQUIRED.
- 4. EXISTING LIGHTING/ EMERGENCY LIGHTING TO REMAIN FITTINGS TO BE CLEANED AND RE-LAMPED.
- 5. EXISTING DISTRIBUTION BOARD (SINGLE PHASE) IS TO REMAIN AND WILL BE USED TO SUPPLY NEW POWER OUTLETS REQUIRED OR REPLACED WITH NEW IF NOT SUITABLE.
- 6. EXISTING FIRE ALARMS TO REMAIN.
- 7. EXISTING WALL MOUNTED CCTV PATCH CABINET, ELECTRICAL SUPPLY AND OUTGOING ANALOGUE CABLES TO BE RETAINED AND PROTECTED DURING THE WORKS.
- 8. REACH ACTIVE TO BE EMPLOYED TO REMOVE EXISTING SECURITY AND INTERCOM SYSTEM.
- 9. EXISTING TRUNKING TO BE REUSED WHERE POSSIBLE AND PAINTED.
- 10. 2NO. 3.5KW WALL MOUNTED COOLING UNITS TO BE PROVIDED.
- 11. REDUNDANT SOCKET OUTLETS AND CONTAINMENT TO BE STRIPPED OUT.
- 12. NEW WALL MOUNTED EARTH BAR TO BE INSTALLED AND LINKED TO EXISTING EARTH BAR IN CORRIDOR CEILING OUTSIDE
- 14. NO VENTILATION REQUIRED.
- 15. ALL WALL OPENINGS TO BE FIRE SEALED.
- 16. NEW EXTERNAL CONDENSER UNIT TO BE FED FROM EXISTING DISTRIBUTION EQUIPMENT IN ADJACENT SWITCH ROOM 0B26 (EXACT LOCATION TO BE CONFIRMED).
- 17. CARPET TO BE TAKEN UP AND FLOOR TO BE SEALED/TREATED AS REQUIRED.
- 18. WALLS/ CEILINGS TO BE PAINTED.
- 19. DOOR LOCK TO BE 9EA 1706/11-X

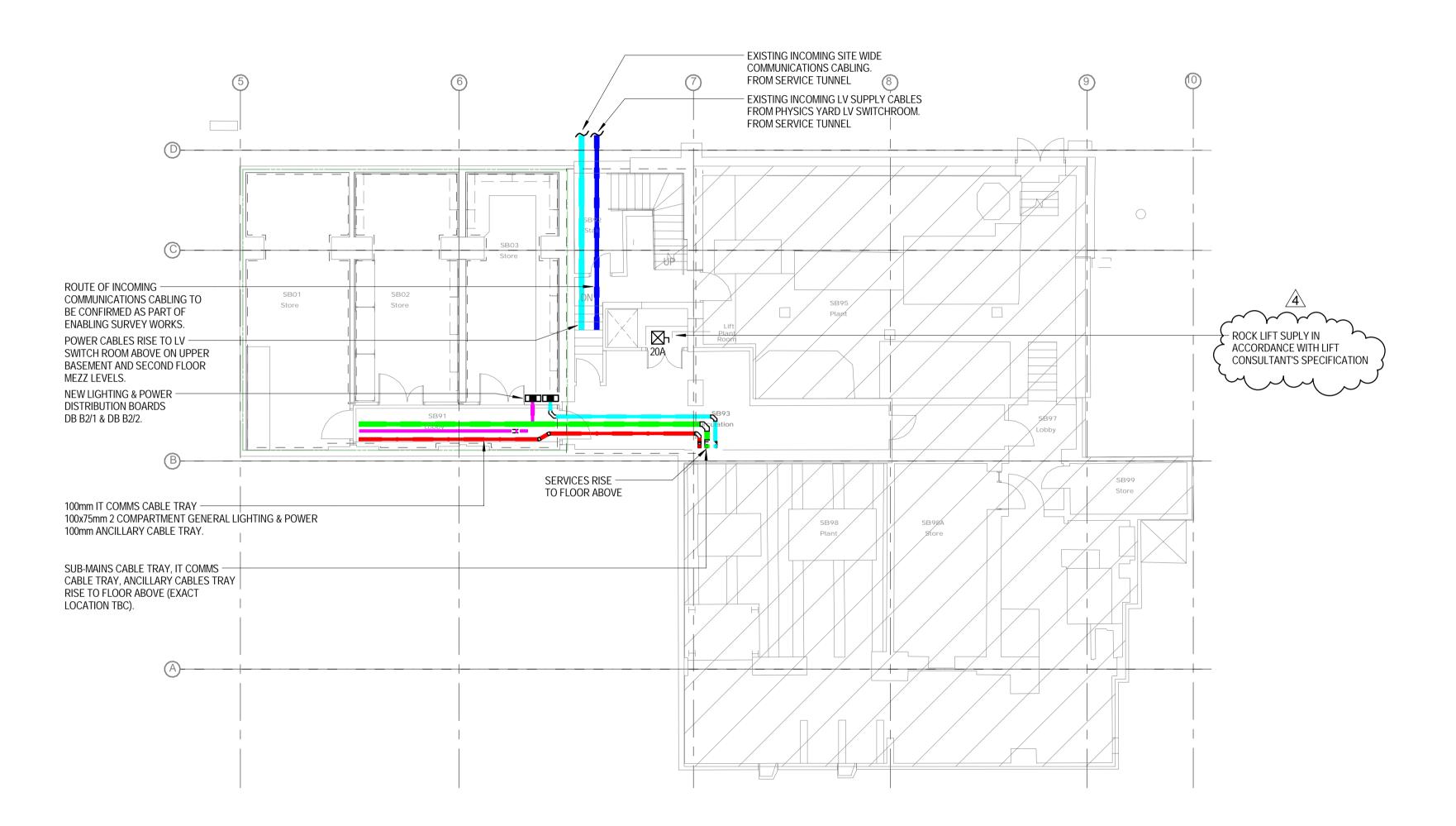
1 09.02.16 STAGE D ISSUE

Rev Date Description

0 30.11.15 STAGE E TENDER ISSUE



RC DW
RC DT
Chk App



- 1. CONTAINMENT ROUTES INDICATED ARE MAIN ROUTES ONLY.
 THE CONTRACTOR SHOULD ALLOW FOR ALL SECONDARY
 CONTAINMENT ROUTES NECESSARY TO PROVIDE A COMPLETE
- EXISTING CONTAINMENT MAY BE USED IN LIEU OF NEW SUBJECT TO SUITABILITY.
- 3. EXISTING METERING CABLE TRAY TO BE RETAINED AND MODIFIED AS REQUIRED.
- ALL DISTRIBUTION BOARDS TO BE ENCLOSED WITHIN
- 5. 600mm FLOOR TO CEILING/SOFFIT CABLE TRAY OR BASKET TO BE PROVIDED IN PATCH ROOMS & IT RISERS.

LOCKABLE CUPBOARDS OR LOCATED WITHIN PLANT ROOMS.

- 6. CABLE TRAYS AND TRUNKINGS IN CORRIDORS AND AREAS WHERE EXPOSED ARE TO BE DOUBLE STACKED WHEREVER
- 7. IT AND ANCILLARY CABLE TRAYS ARE TO BE UNPERFORATED TYPE. SUB MAIN CABLE TRAYS TO BE PERFORATED TYPE LOCATED ABOVE IT ANCILLARY TRAYS WHEREVER POSSIBLE.
- 8. CONTRACTOR IS TO SUBMIT PROPOSALS FOR CO-ORDINATED SETTING OUT OF EXPOSED SERVICES FOR APPROVAL.
- 9. TRUNKING AND CABLE TRAY/BASKET SIZES AND ROUTES INDICATED ON THE DRAWINGS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL CARRY OUT HIS OWN ASSESSMENT AND INCORPORATE SUFFICIENT CONTAINMENT TO ALL THE CABLING REQUIREMENTSIN ACCORDANCE WITH THE STANDARDS.

10. SETTING OUT PRINCIPLES FOR ALL CONTAINMENT RUNS TO

- BE AGREED POST TENDER WITH ARCHITECT. DUCTWORK AND ELECTRICAL CONTAINMENT TO FOLLOW THE SAME ROUTE WHERE EXPOSED AND BE FULLY CORDINATED.

 11. ALL CONTAINMENT SIZES SHOWN ARE INDICATIVE ONLY AND ARE TO BE FULLY DESIGNED BY THE CONTRACTOR WITH THE
- 11. ALL CONTAINMENT SIZES SHOWN ARE INDICATIVE ONLY AND ARE TO BE FULLY DESIGNED BY THE CONTRACTOR WITH THE APPROPRIATE SPARE CAPACITY

50x75mm GENERAL LIGHTING & 100x75mm POWER CABLE TRUNKING AT HL

- IT COMMS CABLE TRAY/BASKET AT HL FOR CAT 6 & FIBRE CABLES
- ANCILLARY SERVICES CABLE TRAY/BASKET AT HL
 (FIRE, SECURITY, ALARMS, BMS)
 FIRE ALARMS TO RUN ON SEPARATE CABLE TRAY
- SUB-MAINS POWER CABLE TRAY AT HL

SUB-MAINS POWER BOARD

MAIN LV SWITCH PANEL

NEW 3 PHASE FINAL DISTRIBUTION BOARD

4	20.01.16	STAGE D ISSUE	RC	DW
3	13.01.16	STAGE D ISSUE	RC	DW
2	29.01.15	STAGE E TENDER ADDENDUM ONE	RC	DT
1	17.12.14	STAGE E TENDER ISSUE	RC	DT
Rev	Date	Description	Chk	App

STAGE D



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ot:

KLB Masterplan Refurbishment Project (PSO0044)

Basement Level 2

Electrical Distribution & Containment Routes

Drawn:	SM		Checked:	Che	cker	
Designed:	RC		Approved	l: D	т	
Date:	10/14/14	Scale: As ir	ndicated	A1	Sheet:	
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	© Copyright Parsons Brinckerhoff					

- CONTAINMENT ROUTES INDICATED ARE MAIN ROUTES ONLY.
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- 4. ALL DISTRIBUTION BOARDS TO BE ENCLOSED WITHIN LOCKABLE CUPBOARDS OR LOCATED WITHIN PLANT ROOMS.
- 5. 600mm FLOOR TO CEILING/SOFFIT CABLE TRAY OR BASKET TO BE PROVIDED IN PATCH ROOMS & IT RISERS.
- 6. CABLE TRAYS AND TRUNKINGS IN CORRIDORS AND AREAS WHERE EXPOSED ARE TO BE DOUBLE STACKED WHEREVER POSSIBLE.
- 7. IT AND ANCILLARY CABLE TRAYS ARE TO BE UNPERFORATED TYPE. SUB MAIN CABLE TRAYS TO BE PERFORATED TYPE LOCATED ABOVE IT ANCILLARY TRAYS WHEREVER POSSIBLE.
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TEGEND

50x75mm GENERAL LIGHTING & 100x75mm POWER CABLE TRUNKING AT HL

IT COMMS CABLE TRAY/BASKET AT HL FOR CAT 6 & FIBRE CABLES

ANCILLARY SERVICES CABLE TRAY/BASKET AT HL
(FIRE, SECURITY, ALARMS, BMS)
FIRE ALARMS TO RUN ON SEPARATE CABLE TRAY

SUB-MAINS POWER CABLE TRAY AT HL

SUB-MAINS POWER BOARD

MAIN LV SWITCH PANEL

NEW 3 PHASE FINAL DISTRIBUTION BOARD

⊠n ISOLATOR

4	20.01.16	STAGE D ISSUE	RC	DW				
3	13.01.16	STAGE D ISSUE	RC	DW				
2	29.01.15	STAGE E TENDER ADDENDUM ONE	RC	DT				
1	17.12.14	STAGE E TENDER ISSUE	RC	DT				
Rev	Date	Description	Chk	App				

STAGE D



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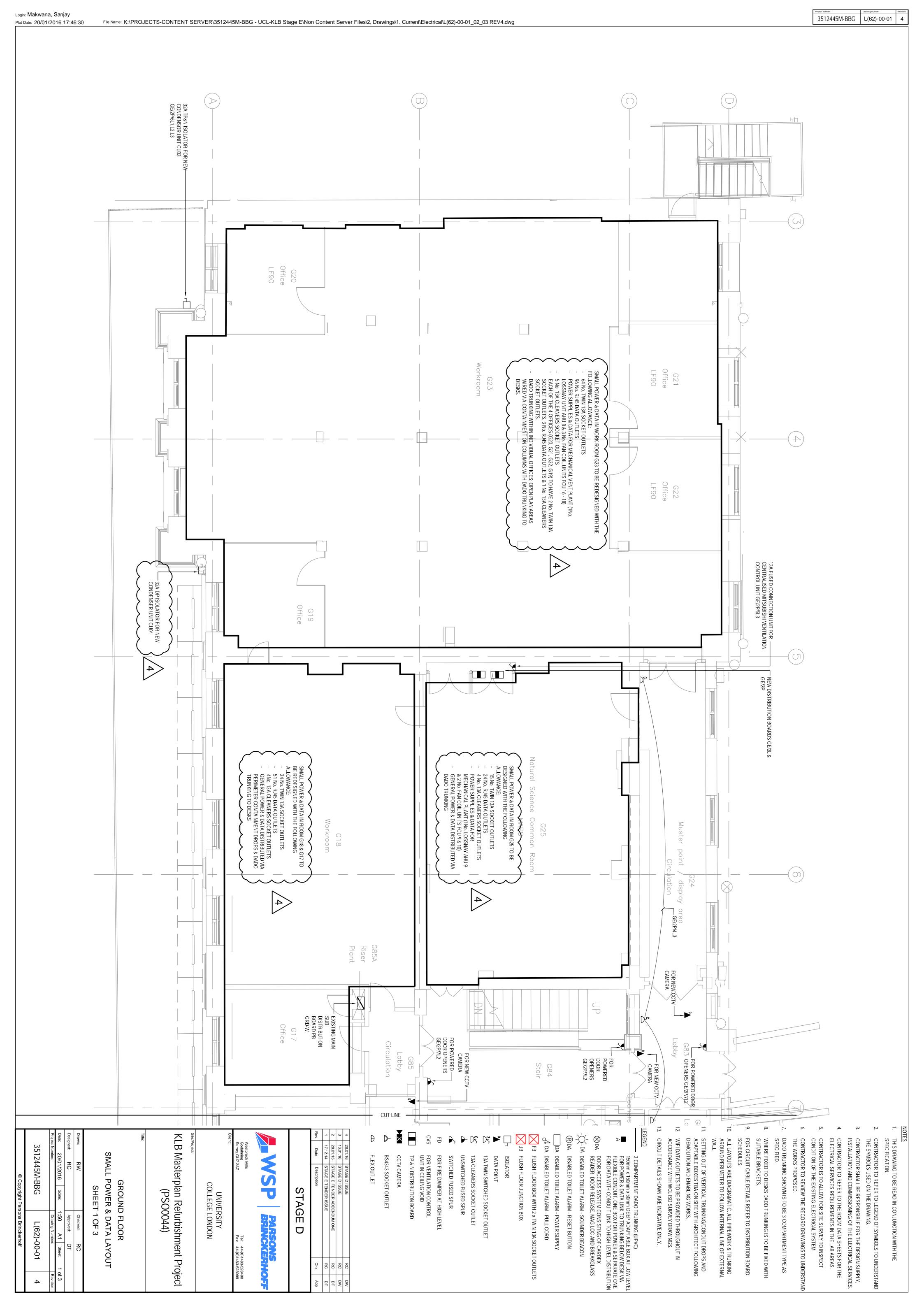
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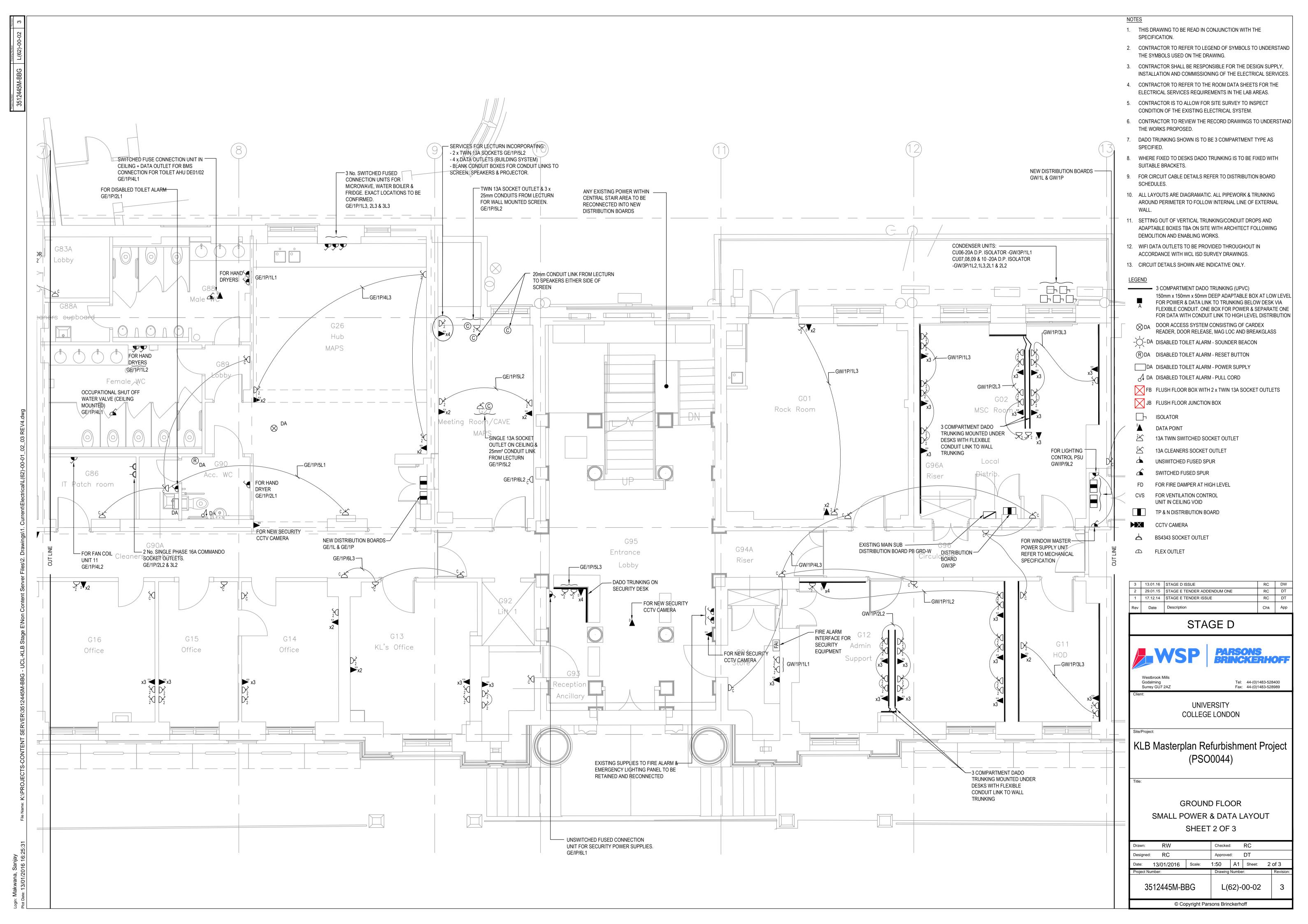
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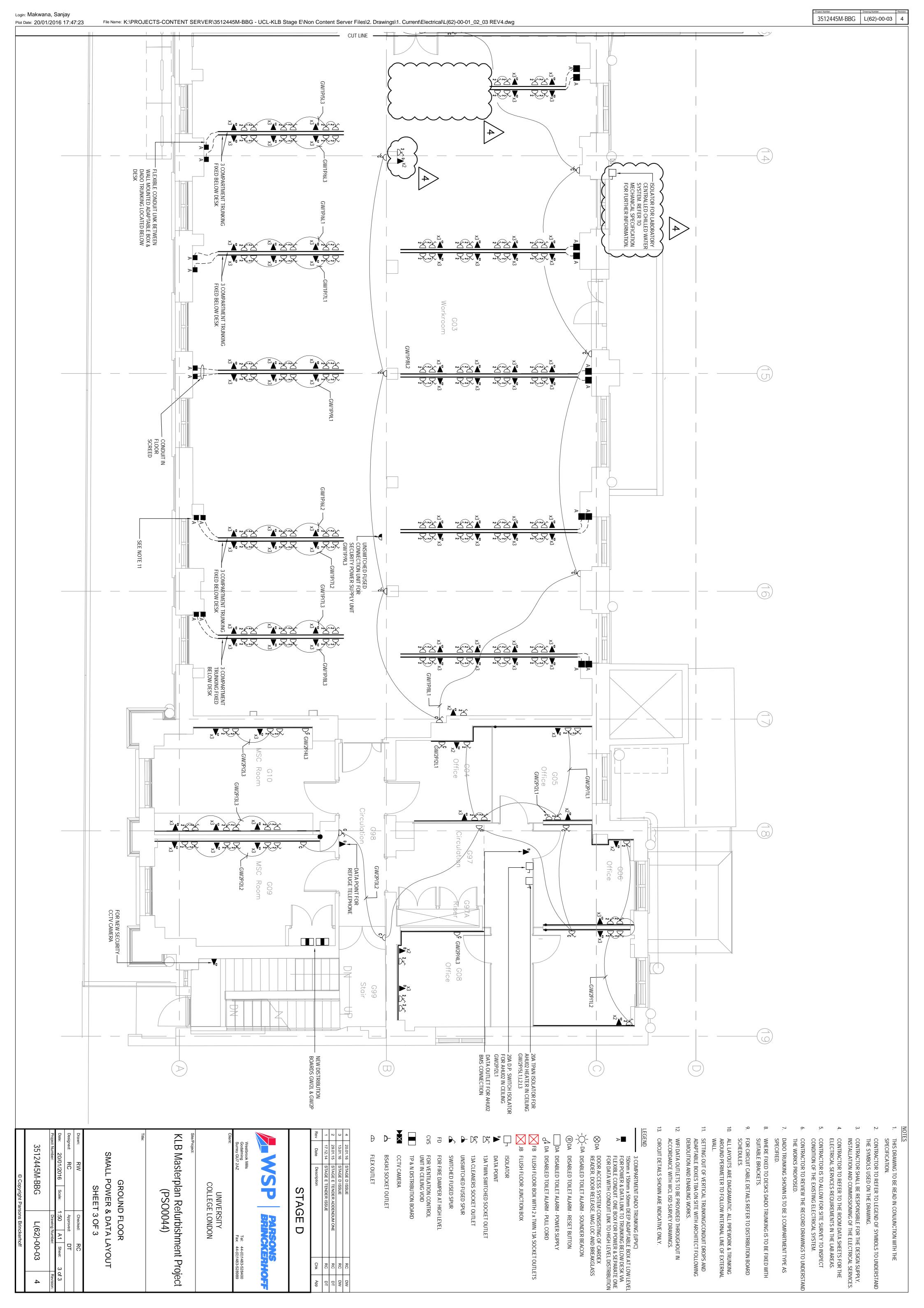
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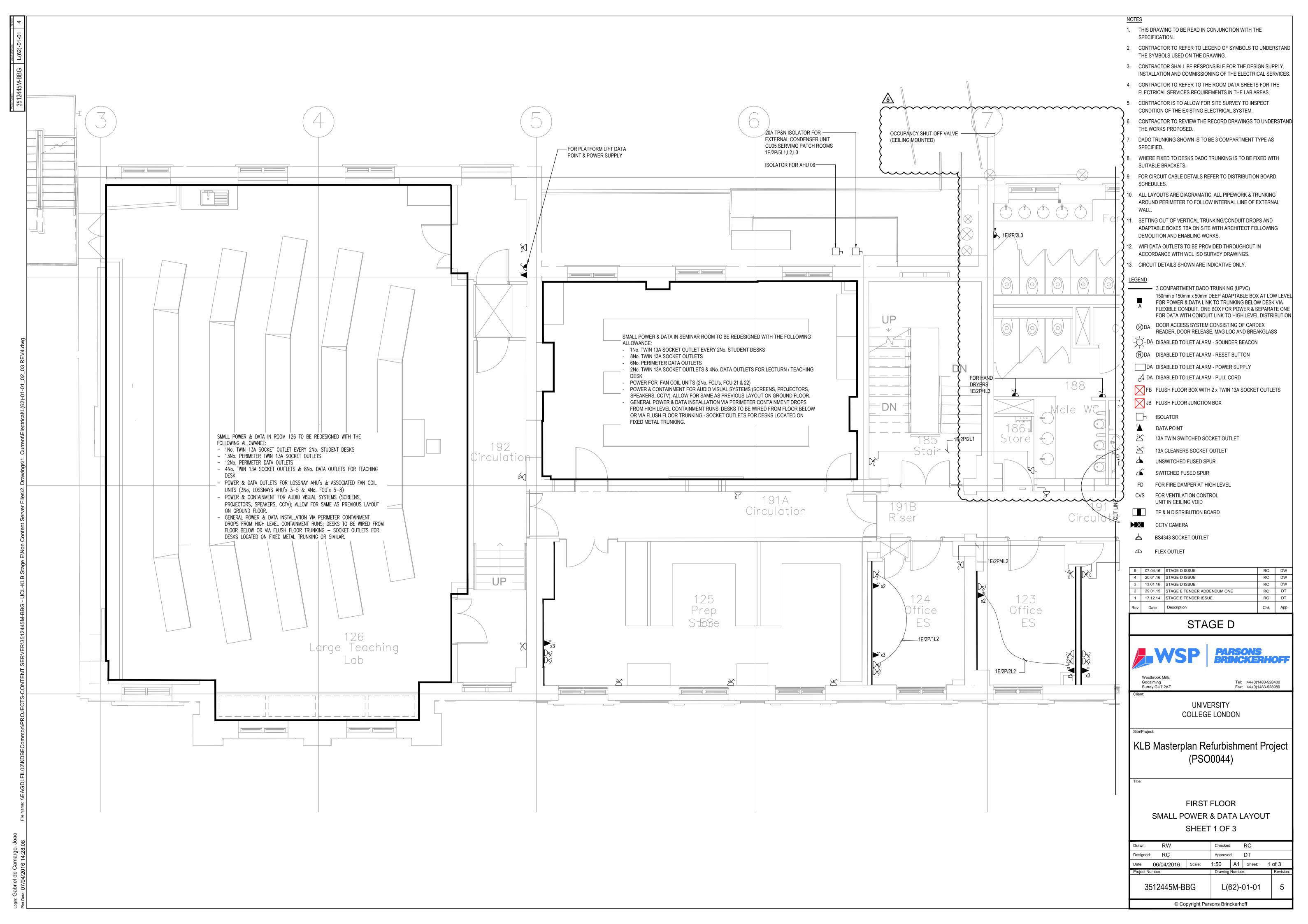
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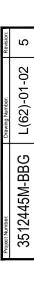
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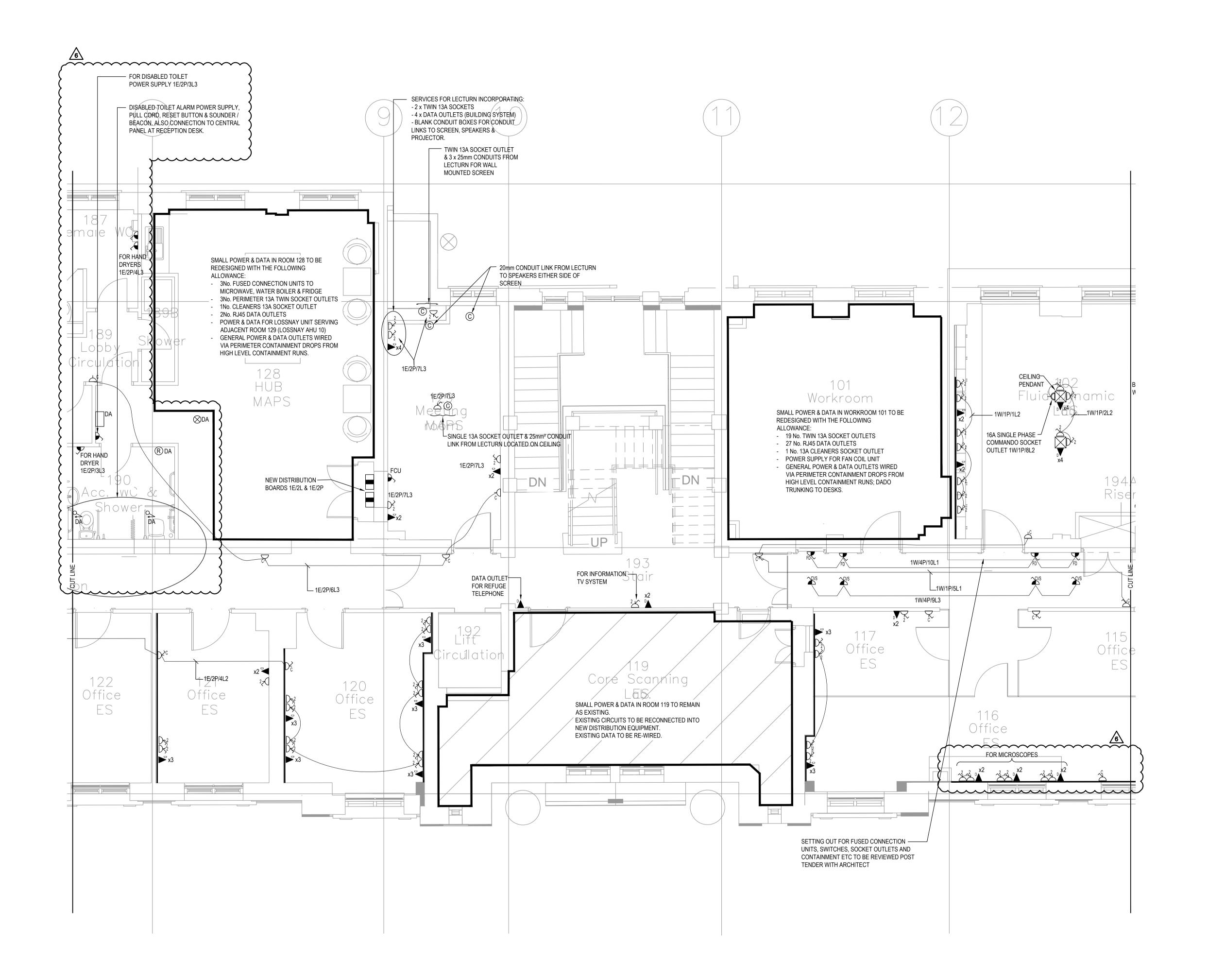












- 1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE SPECIFICATION.
- CONTRACTOR TO REFER TO LEGEND OF SYMBOLS TO UNDERSTAND
 THE SYMBOLS USED ON THE DRAWING.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN SUPPLY,

INSTALLATION AND COMMISSIONING OF THE ELECTRICAL SERVICES.

- 4. CONTRACTOR TO REFER TO THE ROOM DATA SHEETS FOR THE
- ELECTRICAL SERVICES REQUIREMENTS IN THE LAB AREAS.

 5. CONTRACTOR IS TO ALLOW FOR SITE SURVEY TO INSPECT
- CONDITION OF THE EXISTING ELECTRICAL SYSTEM.
- 6. CONTRACTOR TO REVIEW THE RECORD DRAWINGS TO UNDERSTAND THE WORKS PROPOSED.
- 7. DADO TRUNKING SHOWN IS TO BE 3 COMPARTMENT TYPE AS SPECIFIED.
- 8. WHERE FIXED TO DESKS DADO TRUNKING IS TO BE FIXED WITH SUITABLE BRACKETS.
- 9. FOR CIRCUIT CABLE DETAILS REFER TO DISTRIBUTION BOARD
- SCHEDULES.

 10. ALL LAYOUTS ARE DIAGRAMATIC. ALL PIPEWORK & TRUNKING
- AROUND PERIMETER TO FOLLOW INTERNAL LINE OF EXTERNAL WALL.
- 11. SETTING OUT OF VERTICAL TRUNKING/CONDUIT DROPS AND ADAPTABLE BOXES TBA ON SITE WITH ARCHITECT FOLLOWING DEMOLITION AND ENABLING WORKS.
- 12. WIFI DATA OUTLETS TO BE PROVIDED THROUGHOUT IN ACCORDANCE WITH WCL ISD SURVEY DRAWINGS.
- 13. CIRCUIT DETAILS SHOWN ARE INDICATIVE ONLY.

LEGEN

3 COMPARTMENT DADO TRUNKING (UPVC)

- 150mm x 150mm x 50mm DEEP ADAPTABLE BOX AT LOW LEVEL FOR POWER & DATA LINK TO TRUNKING BELOW DESK VIA FLEXIBLE CONDUIT. ONE BOX FOR POWER & SEPARATE ONE FOR DATA WITH CONDUIT LINK TO HIGH LEVEL DISTRIBUTION
- DOOR ACCESS SYSTEM CONSISTING OF CARDEX READER, DOOR RELEASE, MAG LOC AND BREAKGLASS

- DA DISABLED TOILET ALARM - SOUNDER BEACON

R DA DISABLED TOILET ALARM - RESET BUTTON

DA DISABLED TOILET ALADM DOWED SLIDD

DA DISABLED TOILET ALARM - POWER SUPPLY

DA DISABLED TOILET ALARM - PULL CORD

FB FLUSH FLOOR BOX WITH 2 x TWIN 13A SOCKET OUTLETS

JB FLUSH FLOOR JUNCTION BOX

☐ ISOLATOR

DATA POINT

13A TWIN SWITCHED SOCKET OUTLET

13A CLEANERS SOCKET OUTLET

△ UNSWITCHED FUSED SPUR

SWITCHED FUSED SPUR

FD FOR FIRE DAMPER AT HIGH LEVEL

CVS FOR VENTILATION CONTROL UNIT IN CEILING VOID

UNIT IN CEILING VOID

TP & N DISTRIBUTION BOARD

CCTV CAMERA

BS4343 SOCKET OUTLET

△ FLEX OUTLET

6	07.04.16	STAGE D ISSUE	RC	DW
5	20.01.16	STAGE D ISSUE	RC	DW
4	13.01.16	STAGE D ISSUE	RC	DW
3	05.02.15	AMENDMENTS TO LABS	RC	DT
2	29.01.15	STAGE E TENDER ADDENDUM ONE	RC	DT
1	17.12.14	STAGE E TENDER ISSUE	RC	DT
Rev	Date	Description	Chk	Арр

STAGE D



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e/Project:

KLB Masterplan Refurbishment Project (PSO0044)

Title:

FIRST FLOOR SMALL POWER & DATA LAYOUT

 Drawn:
 RW
 Checked:
 RC

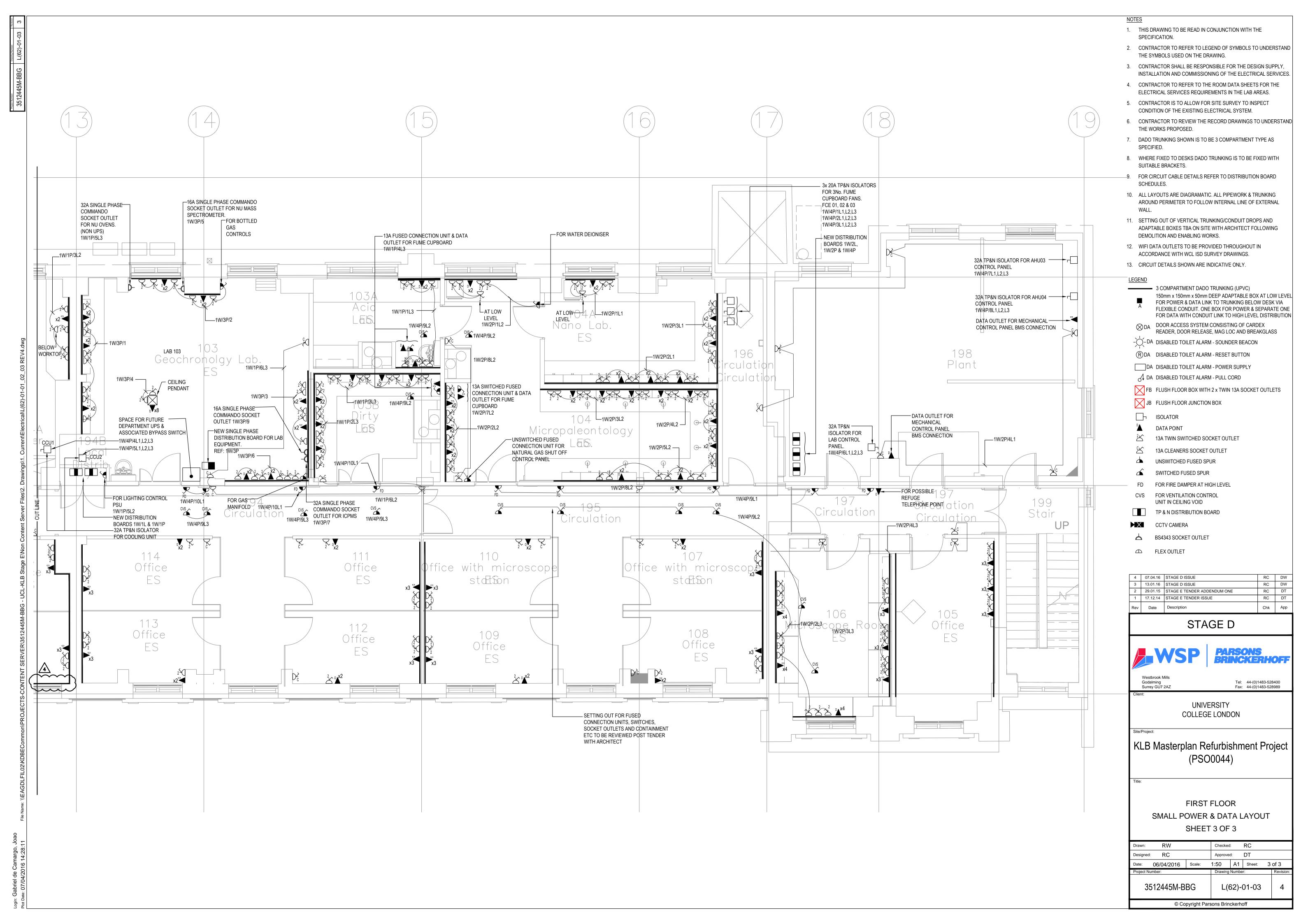
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 2 of 3

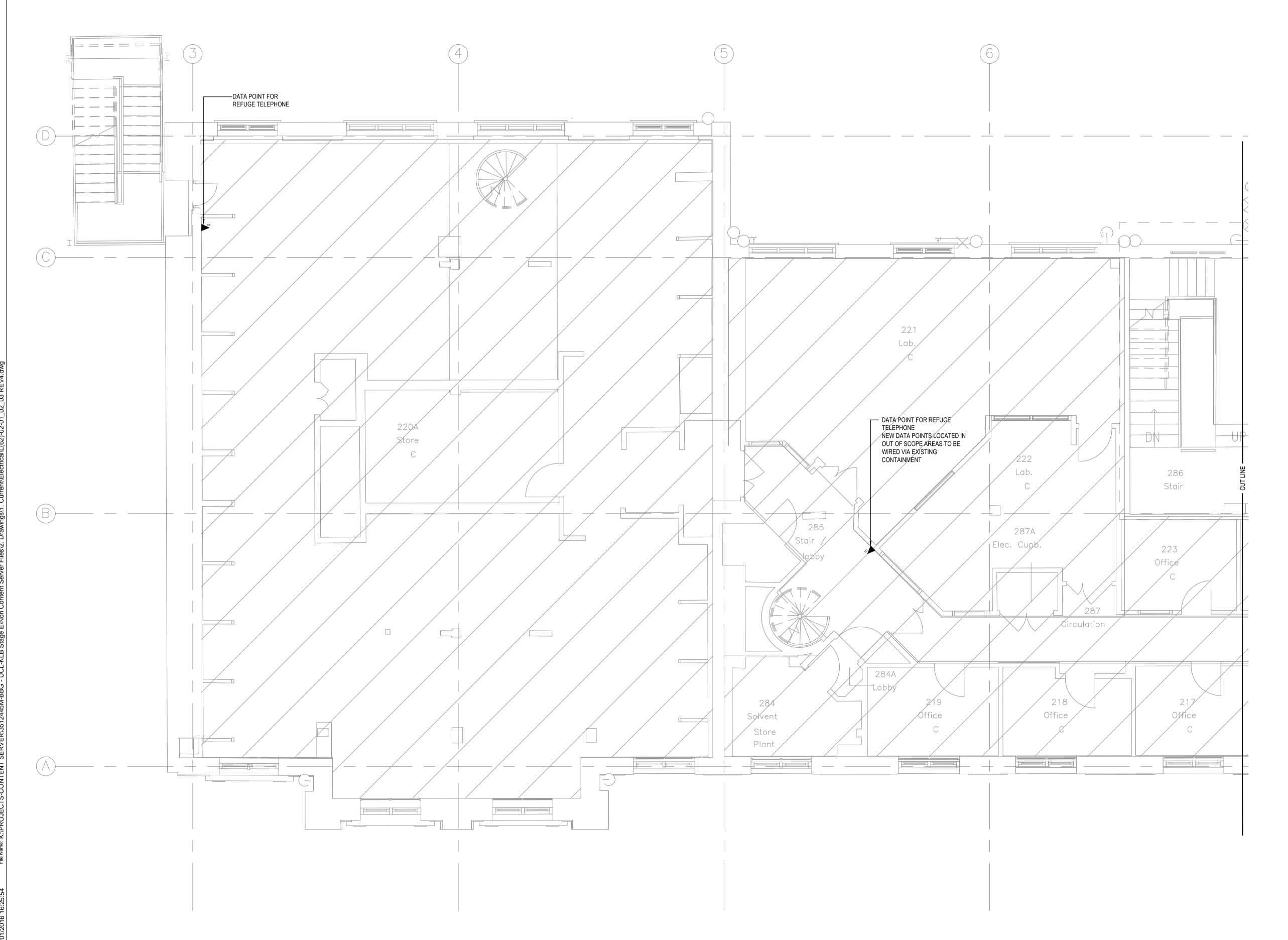
 Project Number:
 Drawing Number:
 Revision:

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SHEET 2 OF 3







- 1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE SPECIFICATION.
- 2. CONTRACTOR TO REFER TO LEGEND OF SYMBOLS TO UNDERSTAND THE SYMBOLS USED ON THE DRAWING.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN SUPPLY, INSTALLATION AND COMMISSIONING OF THE ELECTRICAL SERVICES.
- 4. CONTRACTOR TO REFER TO THE ROOM DATA SHEETS FOR THE FLECTRICAL SERVICES REQUIREMENTS IN THE LAB AREAS.
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- 7. DADO TRUNKING SHOWN IS TO BE 3 COMPARTMENT TYPE AS SPECIFIED.
- 8. WHERE FIXED TO DESKS DADO TRUNKING IS TO BE FIXED WITH SUITABLE BRACKETS.
- 9. FOR CIRCUIT CABLE DETAILS REFER TO DISTRIBUTION BOARD SCHEDULES.
- 10. ALL LAYOUTS ARE DIAGRAMATIC. ALL PIPEWORK & TRUNKING AROUND PERIMETER TO FOLLOW INTERNAL LINE OF EXTERNAL
- 11. SETTING OUT OF VERTICAL TRUNKING/CONDUIT DROPS AND ADAPTABLE BOXES TBA ON SITE WITH ARCHITECT FOLLOWING DEMOLITION AND ENABLING WORKS.
- 12. WIFI DATA OUTLETS TO BE PROVIDED THROUGHOUT IN ACCORDANCE WITH WCL ISD SURVEY DRAWINGS.
- 13. CIRCUIT DETAILS SHOWN ARE INDICATIVE ONLY.

LEGEND

3 COMPARTMENT DADO TRUNKING (UPVC)

- 150mm x 150mm x 50mm DEEP ADAPTABLE BOX AT LOW LEVEL FOR POWER & DATA LINK TO TRUNKING BELOW DESK VIA FLEXIBLE CONDUIT. ONE BOX FOR POWER & SEPARATE ONE FOR DATA WITH CONDUIT LINK TO HIGH LEVEL DISTRIBUTION
- DOOR ACCESS SYSTEM CONSISTING OF CARDEX READER, DOOR RELEASE, MAG LOC AND BREAKGLASS
- DA DISABLED TOILET ALARM SOUNDER BEACON

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☐¬ ISOLATOR

DATA POINT

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13A TWIN SWITCHED SOCKET OUTLET

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UNSWITCHED FUSED SPUR

SWITCHED FUSED SPUR

FD FOR FIRE DAMPER AT HIGH LEVEL

CVS FOR VENTILATION CONTROL UNIT IN CEILING VOID

TP & N DISTRIBUTION BOARD

X CCTV CAMERA

BS4343 SOCKET OUTLET

△ FLEX OUTLET

3	13.01.16	STAGE D ISSUE	RC	DW
2	29.01.15	STAGE E TENDER ADDENDUM ONE	RC	DT
1	17.12.14	STAGE E TENDER ISSUE	RC	DT
Rev	Date	Description	Chk	Арр

STAGE D



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KLB Masterplan Refurbishment Project (PSO0044)

Title:

SECOND FLOOR SMALL POWER & DATA LAYOUT

SHEET 1 OF 3

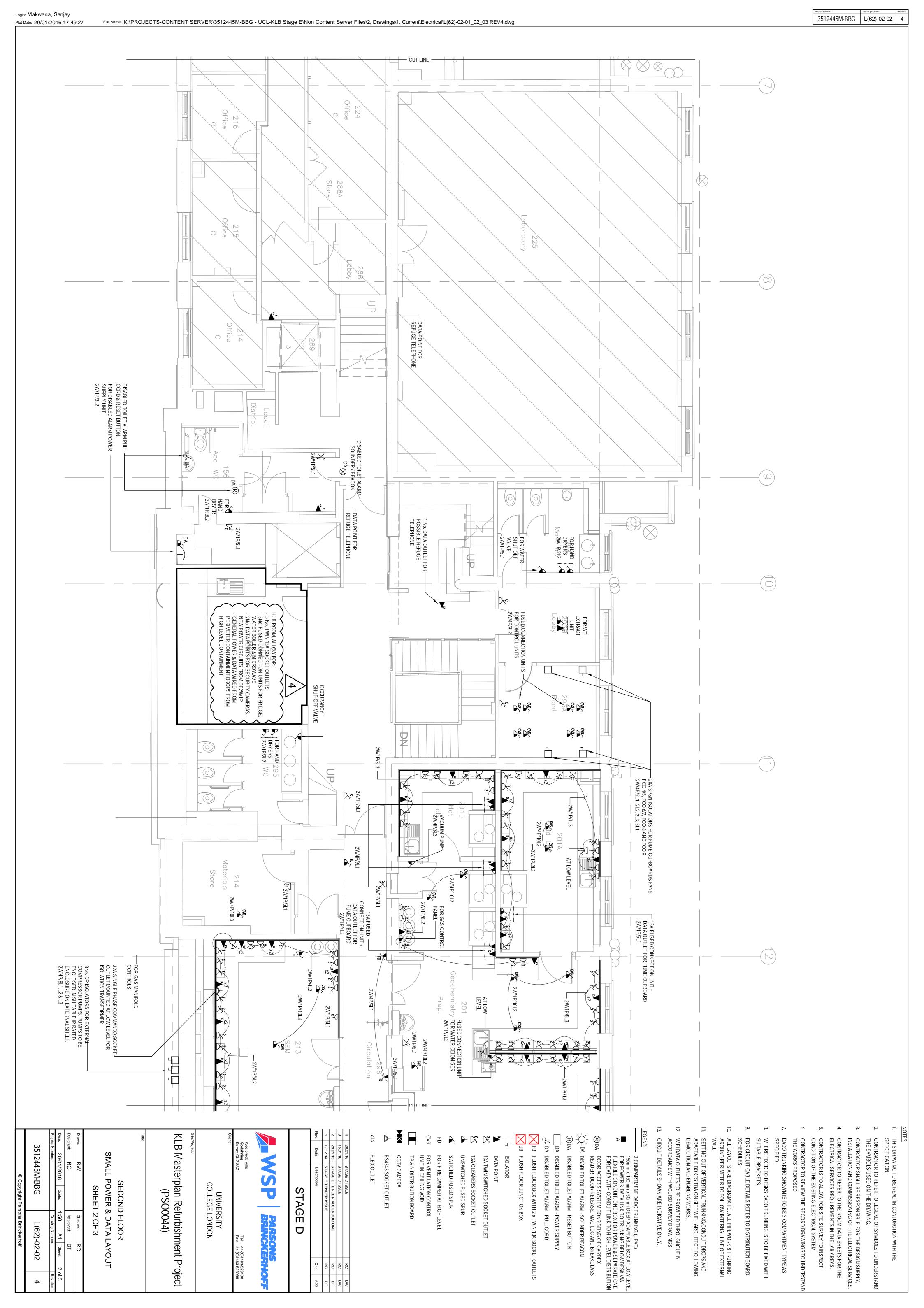
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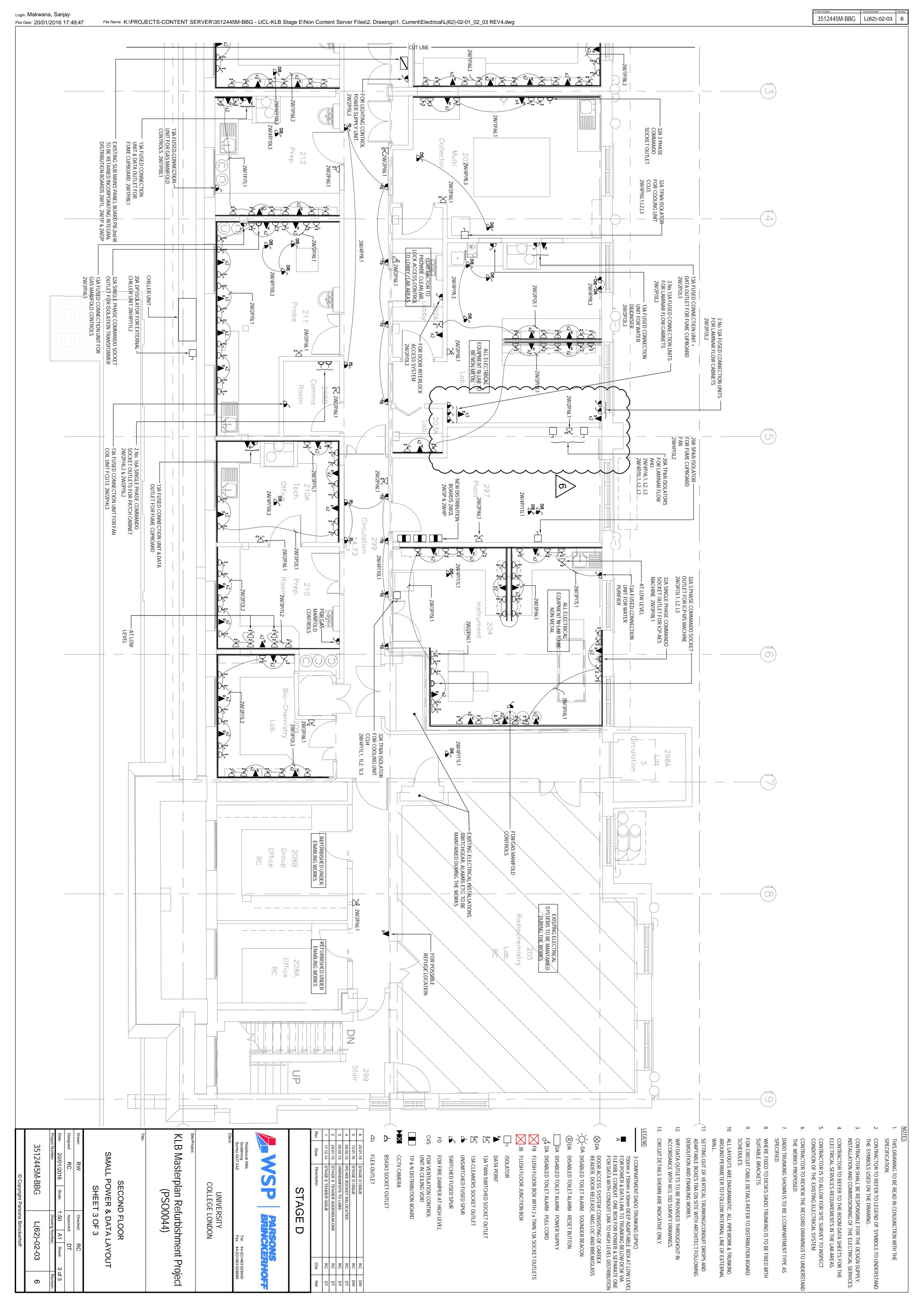
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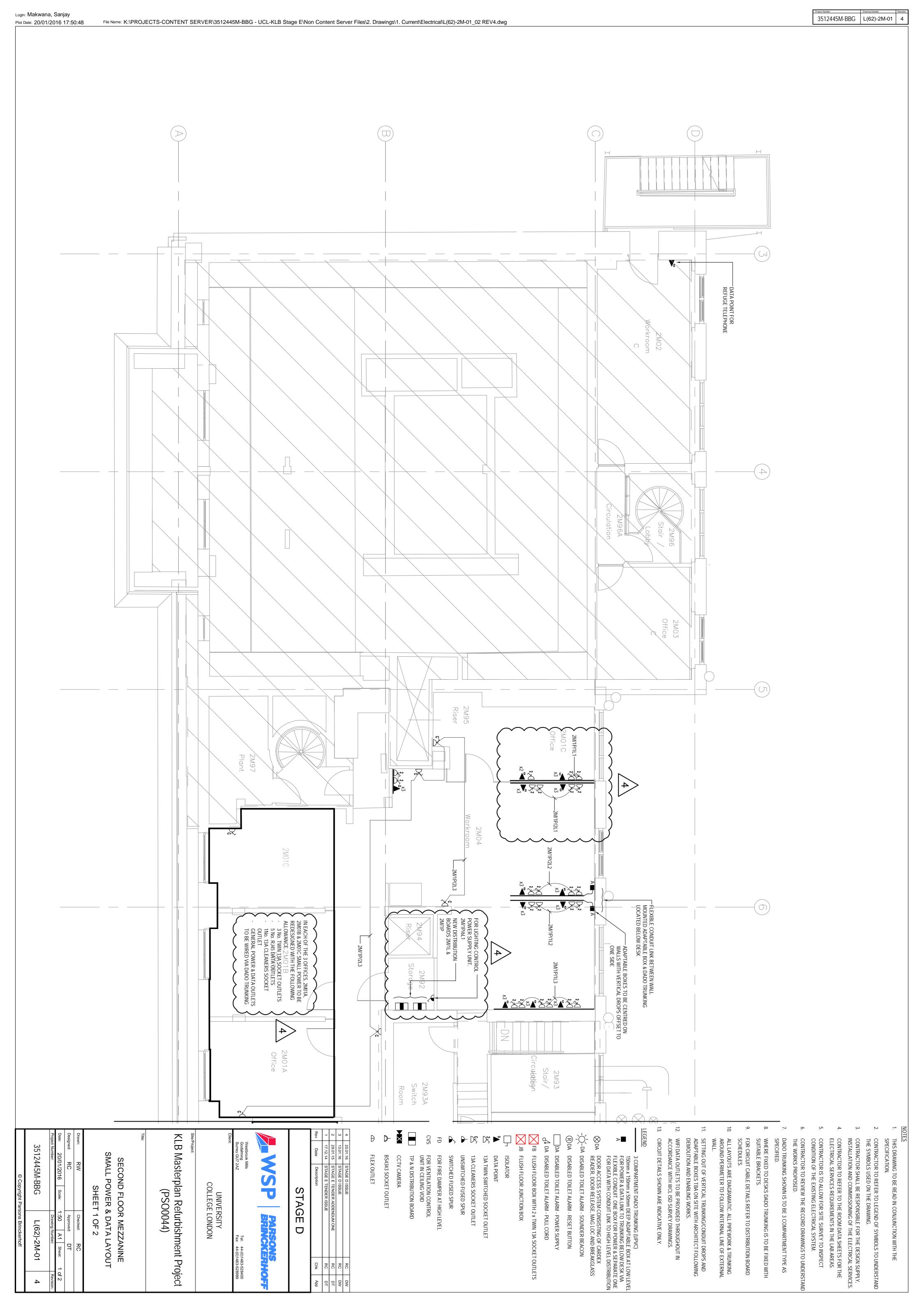
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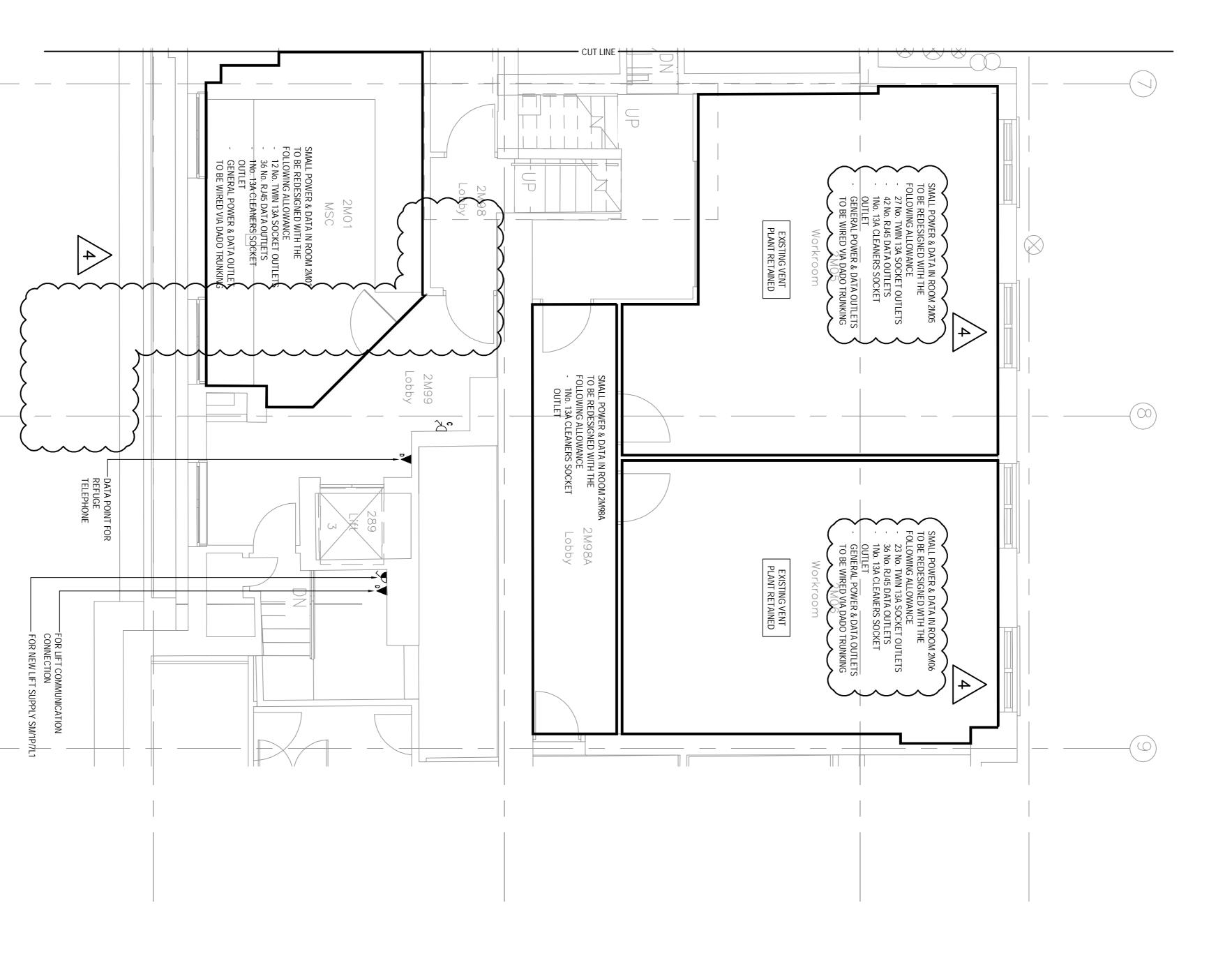
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CCTV CAMERA

FLEX OUTLET

STAGE

 \Box

BS4343 SOCKET OUTLET

KLB Masterplan Refurbishment Project (PSO0044)

UNIVERSITY COLLEGE LONDON

SMALL POWER & DATA LAYOUT

SHEET 2 OF 2

SECOND FLOOR MEZZANINE

3512445M-BBG

L(62)-2M-02

20/01/2016 Scale

FD CVS

FOR VENTILATION CONTROL UNIT IN CEILING VOID

TP & N DISTRIBUTION BOARD

FOR FIRE DAMPER AT HIGH LEVEL

LEGEND

CIRCUIT DETAILS SHOWN ARE INDICATIVE ONLY.

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SETTING OUT OF VERTICAL TRUNKING/CONDUIT DROPS AND ADAPTABLE BOXES TBA ON SITE WITH ARCHITECT FOLLOWING DEMOLITION AND ENABLING WORKS.

⊳

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-\-\-DA DISABLED TOILET ALARM - SOUNDER BEACON

 $\bigotimes \mathsf{DA}$

(R) DA

DISABLED TOILET ALARM - RESET BUTTON

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DADO TRUNKING SHOWN IS TO BE 3 COMPARTMENT TYPE AS

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