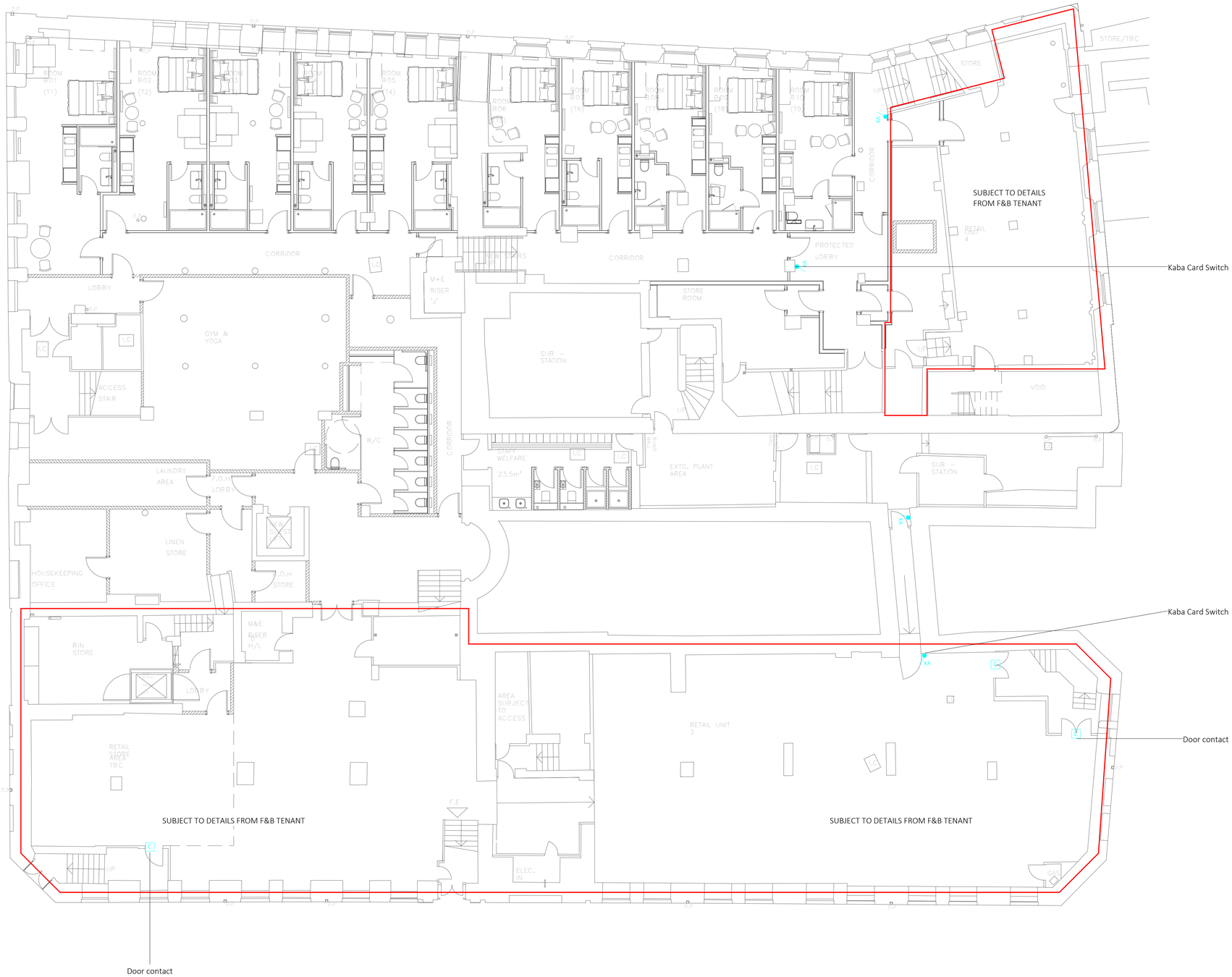
- CONTRACTOR TO PREPARE DETAIL WORKING DRAWINGS FOR APPROVAL SUBSEQUENT TO SITE SURVEY.
- CONTRACTOR TO AGREE FINAL SETTINGS OUT PRIOR TO INSTALLATION.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL NECESSARY ARCHITECTURAL, STRUCTURAL & SPECIALIST DRAWINGS, SCOPE OF WORKS, ROOM DATA SHEETS & SPECIFICATIONS.
- ANY CALCULATIONS, SIZES, EQUIPMENT SELECTIONS, ARE INDICATIVE. CONTRACTOR TO UNDERTAKE CALCULATIONS, SIZING, EQUIPMENT SELECTION ETC. AS PART OF DESIGN RESPONSIBILITIES.
- DIMENSIONS SHALL NOT BE SCALED & FIGURED.
- DIMENSIONS MUST BE VERIFIED ON SITE BEFORE WORK COMMENCES.

Symbol Legend

- SAP — Intruder Detection Panel
- CCTV Camera
- Motorised Dome CCTV Camera
- C — Door Contact
- Panic Alarm Push Button
- Intercom
- Keypad
- Emergency Door Release Button
- KR — Keycard Reader
- Kc — Keycard Switch

Drawing Specific Notes

1. Current layout is indicative only & subject to detailed design.
2. Allow for CCTV power supplies in line with specialist contractor requirements.



1 Level 000 Electrical - Remote Surveillance Services
1 : 100

Rev	Revision	Date
1	Stage 3 Issue	04.09.2017

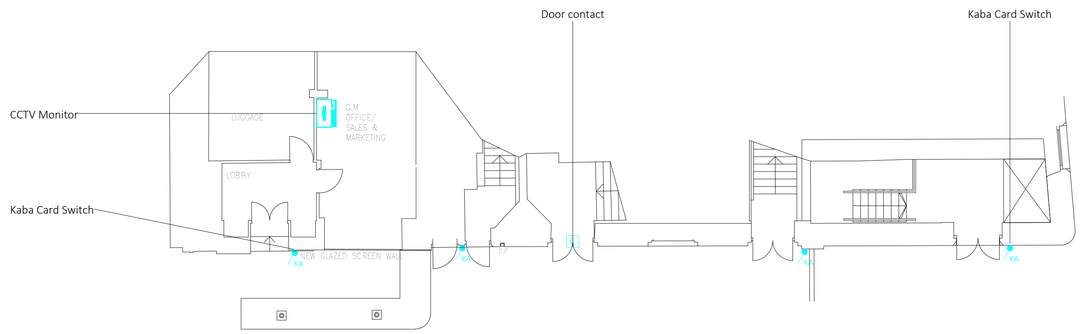
Applied ENERGY
www.appliedenergy.co.uk Tel: 01932 860860 Email: info@appliedenergy.co.uk

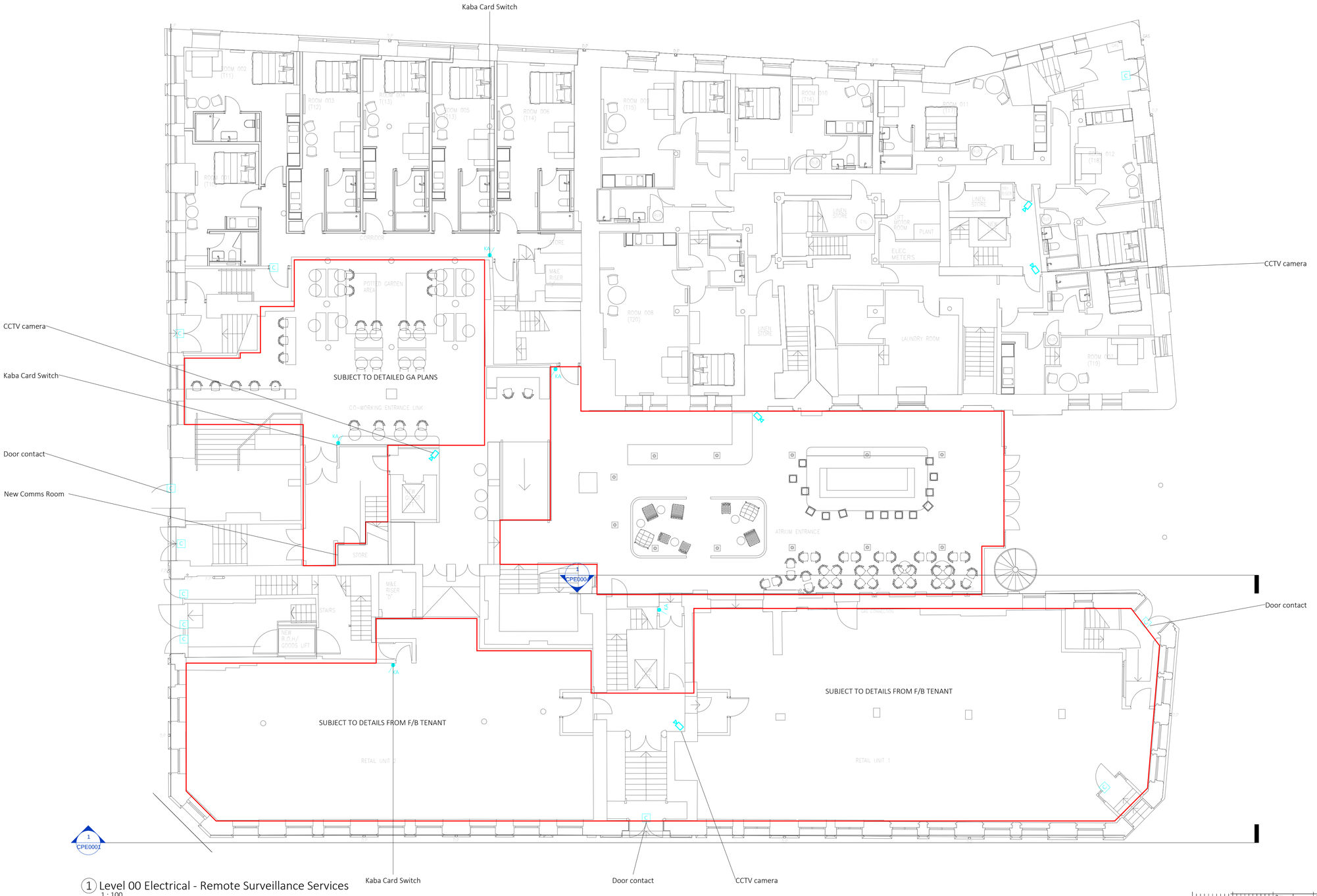
PROJECT
Whitworth Locke Manchester

TITLE
Basement Electrical - Remote Surveillance Services

DRAWING No.	SCALE (@A1)	Project Ref:
ELR000_007	1 : 100	16080

1:100 @A1 — 2m, 4m, 6m, 8m, 10m




Kaba Card Switch
CCTV camera
CCTV camera
Kaba Card Switch
Door contact
New Comms Room
Door contact
ROOM 002 (T11)
ROOM 003 (T12)
ROOM 004 (T13)
ROOM 005 (T13)
ROOM 006 (T14)
ROOM 007 (T15)
CORRIDOR
POTTED GARDEN AREA
SUBJECT TO DETAILED GA PLANS
M&E RISER
CO-WORKING ENTRANCE LINK
STORE
STAIRS
M&E RISER
M&E RISER
M&E RISER

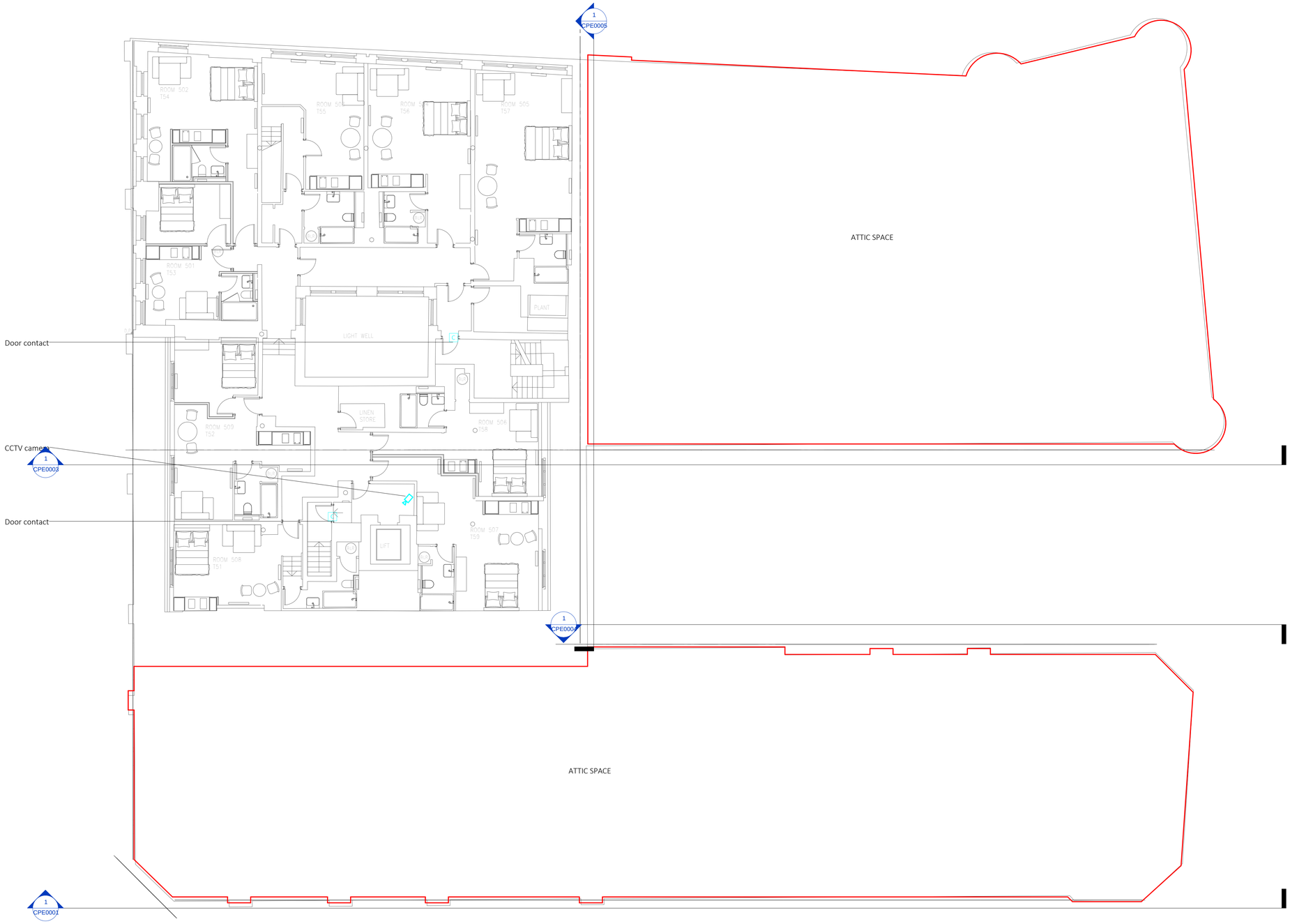
- CONTRACTOR TO PREPARE DETAIL WORKING DRAWINGS FOR APPROVAL SUBSEQUENT TO SITE SURVEY.
- CONTRACTOR TO AGREE FINAL SETTINGS OUT PRIOR TO INSTALLATION.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL NECESSARY ARCHITECTURAL, STRUCTURAL & SPECIALIST DRAWINGS, SCOPE OF WORKS, ROOM DATA SHEETS & SPECIFICATIONS.
- ANY CALCULATIONS, SIZES, EQUIPMENT SELECTIONS, ARE INDICATIVE. CONTRACTOR TO UNDERTAKE CALCULATIONS, SIZING, EQUIPMENT SELECTION ETC. AS PART OF DESIGN RESPONSIBILITIES.
- DIMENSIONS SHALL NOT BE SCALED & FIGURED.
- DIMENSIONS MUST BE VERIFIED ON SITE BEFORE WORK COMMENCES.

Symbol Legend

- SAP — Intruder Detection Panel
- CCTV Camera
- Motorised Dome CCTV Camera
- C — Door Contact
- Panic Alarm Push Button
- Intercom
- Keypad
- Emergency Door Release Button
- KR — Keycard Reader
- Kc — Keycard Switch

Drawing Specific Notes

1. Current layout is indicative only & subject to detailed design.
2. Allow for CCTV power supplies in line with specialist contractor requirements.



1 Level 05 Electrical - Remote Surveillance Services
1 : 100

Rev	Revision	Date
1	Stage 3 Issue	04.09.2017

Applied ENERGY
www.appliedenergy.co.uk Tel: 01932 860860 Email: info@appliedenergy.co.uk

PROJECT
Whitworth Locke Manchester

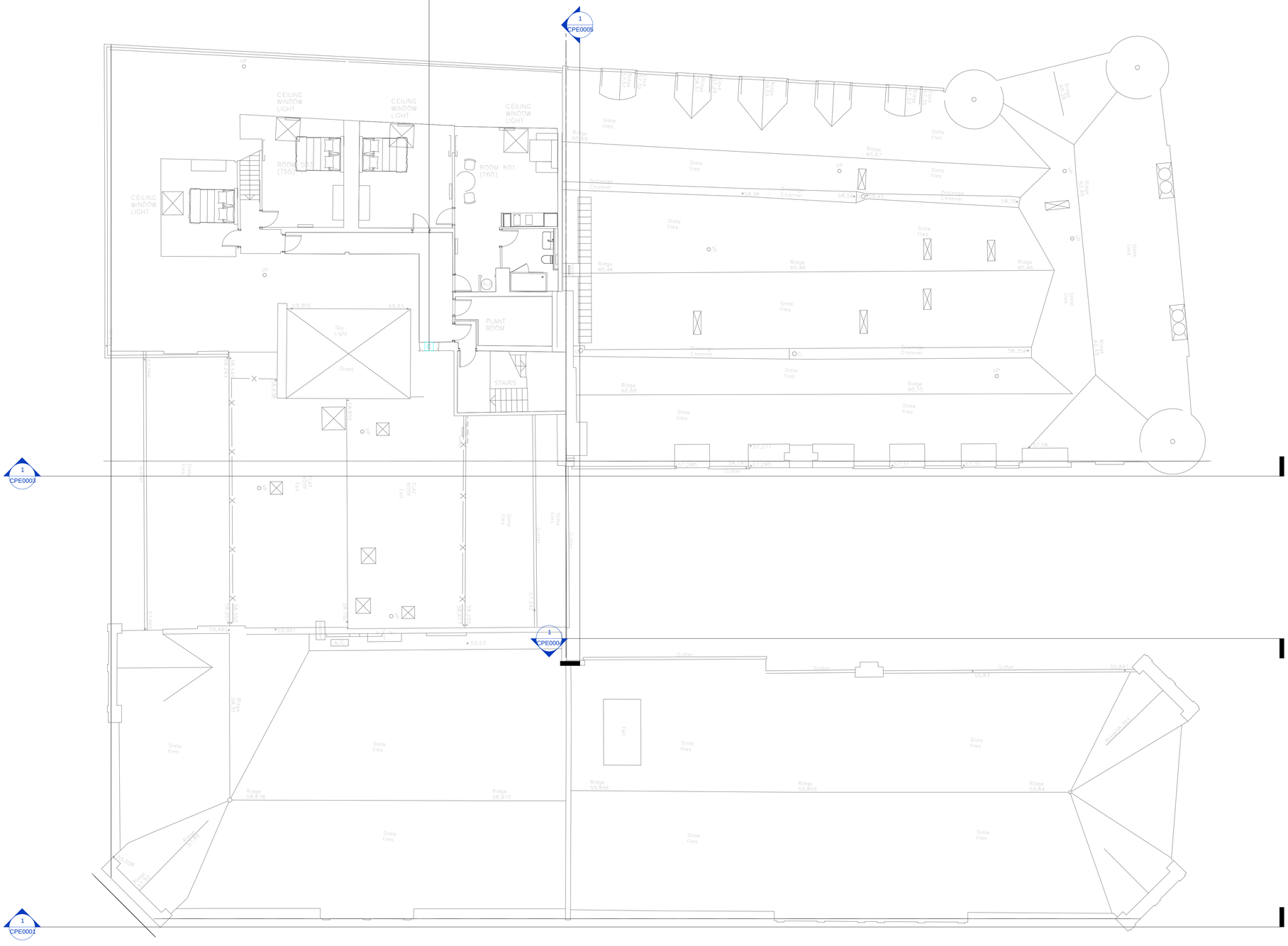
TITLE
Fifth Floor Electrical - Remote Surveillance Services

DRAWING No.	SCALE (@A1)	Project Ref:
ELR05_010	1 : 100	16080

1:100 @A1 — 2m 4m 6m 8m 10m

- CONTRACTOR TO PREPARE DETAIL WORKING DRAWINGS FOR APPROVAL SUBSEQUENT TO SITE SURVEY.
- CONTRACTOR TO AGREE FINAL SETTINGS OUT PRIOR TO INSTALLATION.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL NECESSARY ARCHITECTURAL, STRUCTURAL & SPECIALIST DRAWINGS, SCOPE OF WORKS, ROOM DATA SHEETS & SPECIFICATIONS.
- ANY CALCULATIONS, SIZES, EQUIPMENT SELECTIONS, ARE INDICATIVE. CONTRACTOR TO UNDERTAKE CALCULATIONS, SIZING, EQUIPMENT SELECTION ETC. AS PART OF DESIGN RESPONSIBILITIES.
- DIMENSIONS SHALL NOT BE SCALED & FIGURED.
- DIMENSIONS MUST BE VERIFIED ON SITE BEFORE WORK COMMENCES.

Door contact



1 Level 06 Electrical - Remote Surveillance Services
1 : 100

Symbol Legend

- SAP — Intruder Detection Panel
- CCTV Camera
- Motorised Dome CCTV Camera
- C — Door Contact
- Panic Alarm Push Button
- Intercom
- Keypad
- Emergency Door Release Button
- KR — Keycard Reader
- Kc — Keycard Switch

Drawing Specific Notes

1. Current layout is indicative only & subject to detailed design.
2. Allow for CCTV power supplies in line with specialist contractor requirements.

Rev	Revision	Date
1	Stage 3 Issue	04.09.2017

Applied ENERGY
www.appliedenergy.co.uk Tel: 01932 860860 Email: info@appliedenergy.co.uk

PROJECT
Whitworth Locke Manchester

TITLE
Sixth Floor Electrical - Remote Surveillance Services

DRAWING No.	SCALE (@A1)	Project Ref:
ELR06_011	1 : 100	16080

1:100 @A1 — 2m | 4m | 6m | 8m | 10m

- CONTRACTOR TO PREPARE DETAIL WORKING DRAWINGS FOR APPROVAL SUBSEQUENT TO SITE SURVEY.
- CONTRACTOR TO AGREE FINAL SETTINGS OUT PRIOR TO INSTALLATION.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL NECESSARY ARCHITECTURAL, STRUCTURAL & SPECIALIST DRAWINGS, SCOPE OF WORKS, ROOM DATA SHEETS & SPECIFICATIONS.
- ANY CALCULATIONS, SIZES, EQUIPMENT SELECTIONS, ARE INDICATIVE. CONTRACTOR TO UNDERTAKE CALCULATIONS, SIZING, EQUIPMENT SELECTION ETC. AS PART OF DESIGN RESPONSIBILITIES.
- DIMENSIONS SHALL NOT BE SCALED & FIGURED.
- DIMENSIONS MUST BE VERIFIED ON SITE BEFORE WORK COMMENCES.

Door contact

CCTV camera

CCTV camera

Door contact

Door contact

CCTV camera

1 CPE0005

1 CPE0003

1 CPE0004

1 CPE0001

ROOM 217 (T33)
ROOM 218 (T34)
ROOM 219 (T35)
ROOM 220 (T36)
ROOM 216 (T32)
ROOM 215 (T31)
ROOM 214 (T30)
ROOM 221 (T37)
ROOM 222 (T38)
ROOM 212 (T28)
ROOM 211 (T27)
ROOM 210 (T26)
ROOM 209 (T26)
ROOM 208 (T24)
ROOM 213 (T29)
ROOM 229 (T15)
ROOM 230 (T16)
ROOM 231 (T45)
ROOM 232 (T46)
ROOM 228 (T44)
ROOM 227 (T43)
ROOM 226 (T42)
ROOM 225 (T41)
ROOM 224 (T40)
ROOM 223 (T39)
ROOM 201 (T21)
ROOM 202 (T22)
ROOM 203 (T23)
ROOM 207 (T25)
ROOM 206 (T24)
ROOM 205 (T24)
ROOM 204 (T24)

LIGHT WELL
M&E RISER 'A'
M&E RISER 'B'
M&E RISER 'C'
M&E RISER 'D'
LIFT
LINEN STORE
LIFT

D.P
BLR
C

Symbol Legend

SAP	Intruder Detection Panel
	CCTV Camera
	Motorised Dome CCTV Camera
C	Door Contact
	Panic Alarm Push Button
	Intercom
	Keypad
	Emergency Door Release Button
KR	Keycard Reader
Kc	Keycard Switch

Drawing Specific Notes

1. Current layout is indicative only & subject to detailed design.
2. Allow for CCTV power supplies in line with specialist contractor requirements.

1 Typical Floor Electrical - Remote Surveillance Services

1 : 100

N

1:100 @A1 | 2m | 4m | 6m | 8m | 10m

Rev	Revision	Date
1	Stage 3 Issue	04.09.2017

Applied ENERGY
www.appliedenergy.co.uk Tel: 01932 860860 Email: info@appliedenergy.co.uk

PROJECT: Whitworth Locke Manchester

TITLE: Typical Floor Electrical - Remote Surveillance Services

DRAWING No.	SCALE (@A1)	Project Ref:
ELRTYP_009	1 : 100	16080

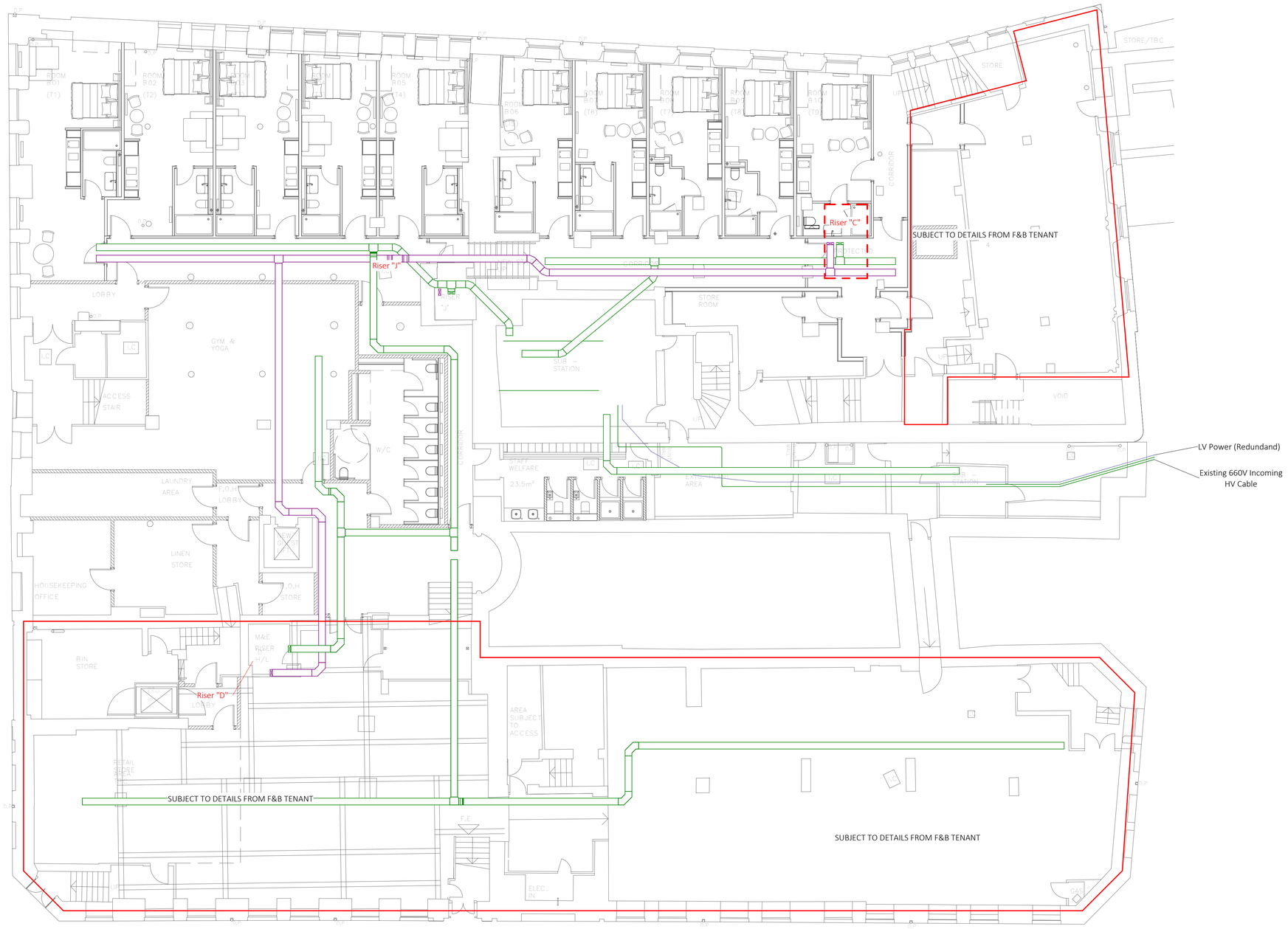
- CONTRACTOR TO PREPARE DETAIL WORKING DRAWINGS FOR APPROVAL SUBSEQUENT TO SITE SURVEY.
- CONTRACTOR TO AGREE FINAL SETTINGS OUT PRIOR TO INSTALLATION.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL NECESSARY ARCHITECTURAL, STRUCTURAL & SPECIALIST DRAWINGS, SCOPE OF WORKS, ROOM DATA SHEETS & SPECIFICATIONS.
- ANY CALCULATIONS, SIZES, EQUIPMENT SELECTIONS, ARE INDICATIVE. CONTRACTOR TO UNDERTAKE CALCULATIONS, SIZING, EQUIPMENT SELECTION ETC. AS PART OF DESIGN RESPONSIBILITIES.
- DIMENSIONS SHALL NOT BE SCALED & FIGURED.
- DIMENSIONS MUST BE VERIFIED ON SITE BEFORE WORK COMMENCES.

Symbol Legend

- Lighting Containment
- Power Containment
- Data Containment
- Fire Alarms Containment
- Security Containment

Drawing Specific Notes

1. Primary & secondary power cables to maintain a diverse route throughout the building.
2. Cables to be sufficiently fastened throughout the corridor runs to satisfy Building Control requirements.
3. Containment systems to be spaced in accordance with the requirements of BS:7671 AMD 3 & BS EN 50174.
4. This drawing outlines primary containment routes only. Contractor to allow for all secondary & final containment in accordance with the specification.
5. Existing services are subject to validation survey.



1 Level 000 Electrical - Containment Services
1 : 100

N

1:100 @A1 | 2m | 4m | 6m | 8m | 10m

Rev	Revision	Date
1	Stage 3 Issue	04.09.2017

Applied ENERGY

www.appliedenergy.co.uk Tel: 01932 860860 Email: info@appliedenergy.co.uk

PROJECT
Whitworth Locke Manchester

TITLE
Basement Electrical - Containment Services

DRAWING No.	SCALE (@A1)	Project Ref:
ELT000_018	1 : 100	16080

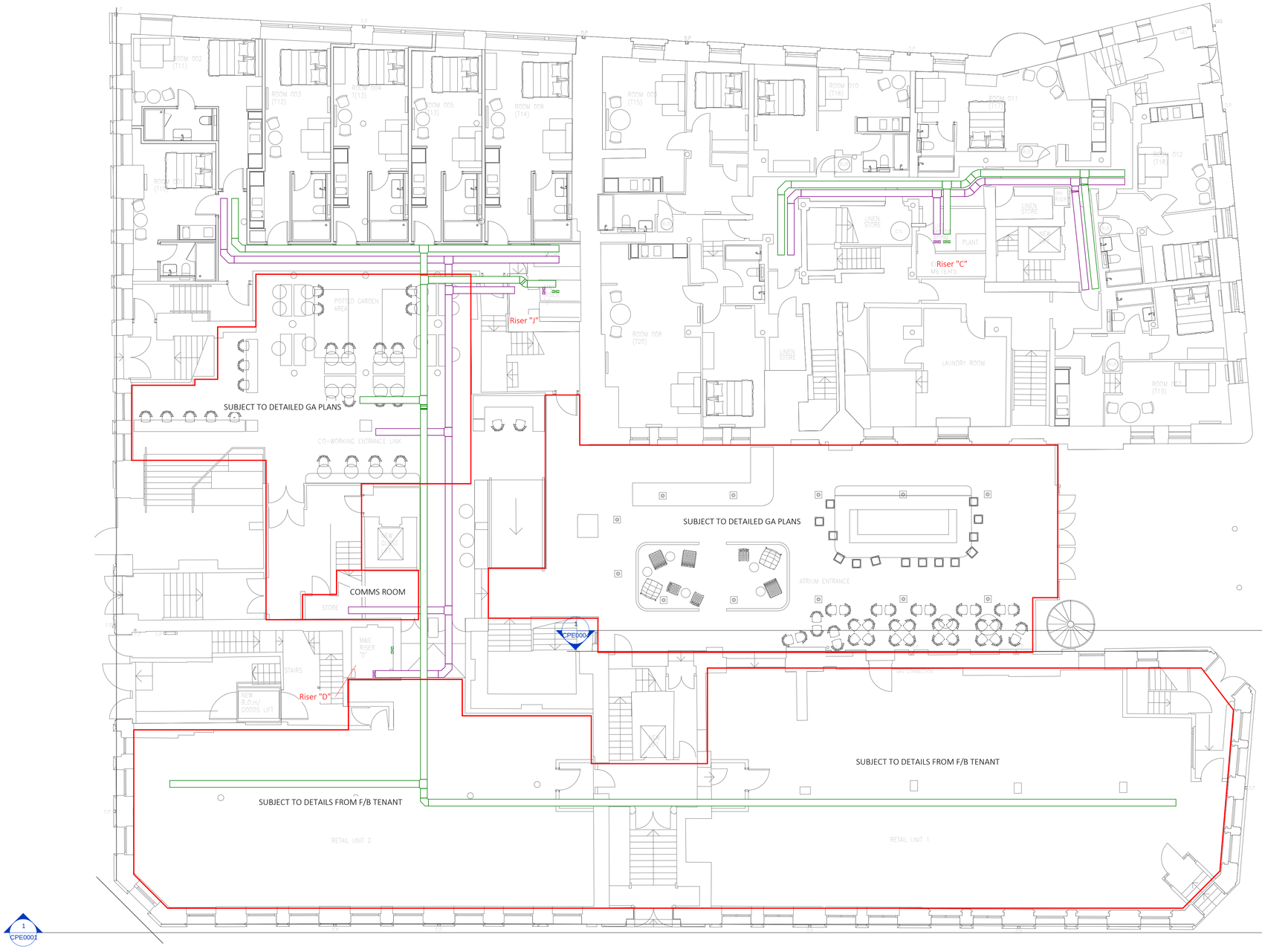
- CONTRACTOR TO PREPARE DETAIL WORKING DRAWINGS FOR APPROVAL SUBSEQUENT TO SITE SURVEY.
- CONTRACTOR TO AGREE FINAL SETTINGS OUT PRIOR TO INSTALLATION.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL NECESSARY ARCHITECTURAL, STRUCTURAL & SPECIALIST DRAWINGS, SCOPE OF WORKS, ROOM DATA SHEETS & SPECIFICATIONS.
- ANY CALCULATIONS, SIZES, EQUIPMENT SELECTIONS, ARE INDICATIVE. CONTRACTOR TO UNDERTAKE CALCULATIONS, SIZING, EQUIPMENT SELECTION ETC. AS PART OF DESIGN RESPONSIBILITIES.
- DIMENSIONS SHALL NOT BE SCALED & FIGURED.
- DIMENSIONS MUST BE VERIFIED ON SITE BEFORE WORK COMMENCES.

Symbol Legend

- Lighting Containment
- Power Containment
- Data Containment
- Fire Alarms Containment
- Security Containment

Drawing Specific Notes

1. Primary & secondary power cables to maintain a diverse route throughout the building.
2. Cables to be sufficiently fastened throughout the corridor runs to satisfy Building Control requirements.
3. Containment systems to be spaced in accordance with the requirements of BS:7671 AMD 3 & BS EN 50174.
4. This drawing outlines primary containment routes only. Contractor to allow for all secondary & final containment in accordance with the specification.
5. Existing services are subject to validation survey.



1 Level 00 Electrical - Containment Services
1 : 100



1:100 @A1 (2m, 4m, 6m, 8m, 10m)

Rev	Revision	Date
1	Stage 3 Issue	04.09.2017

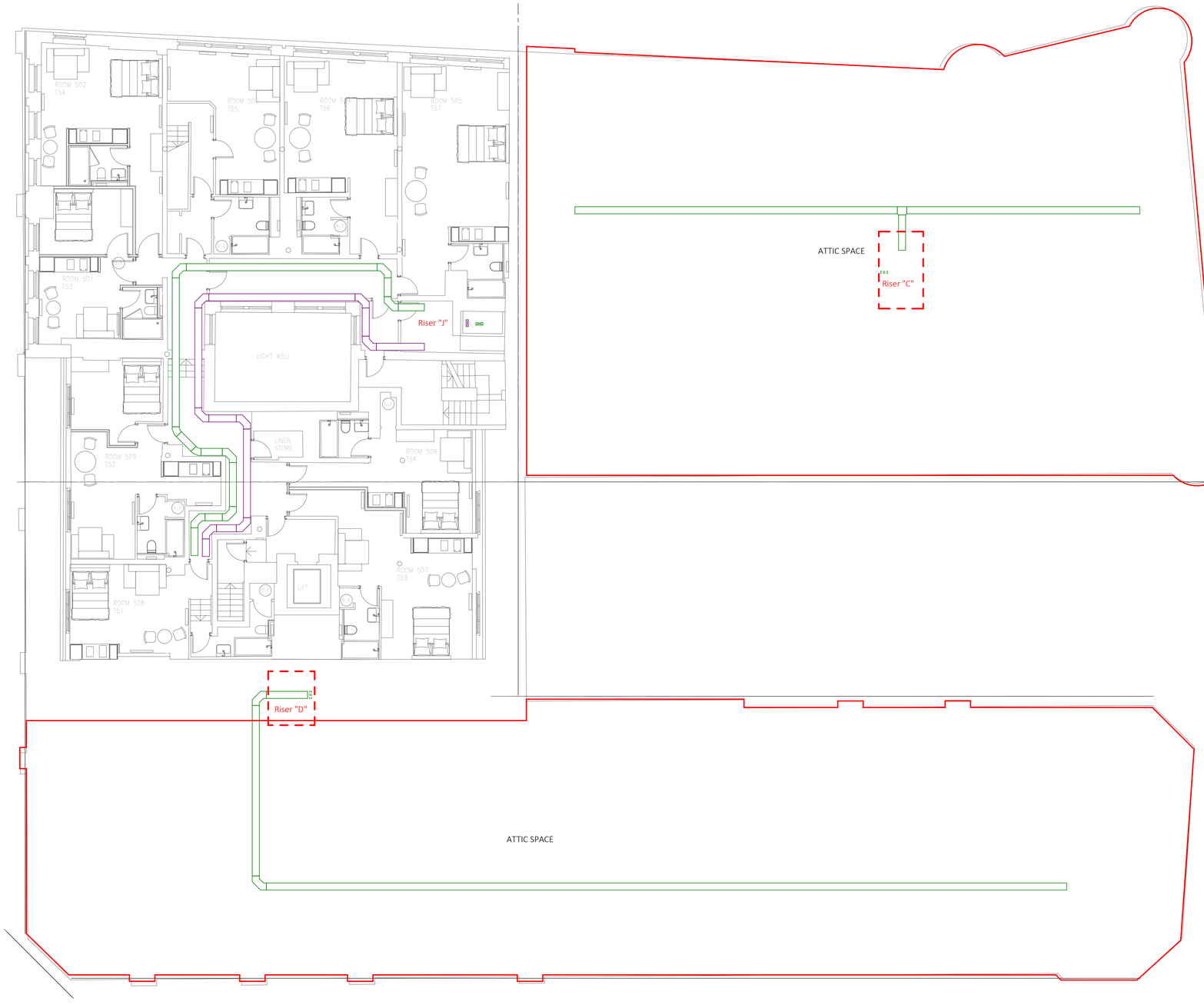
Applied ENERGY
www.appliedenergy.co.uk Tel: 01932 860860 Email: info@appliedenergy.co.uk

PROJECT: Whitworth Locke Manchester

TITLE: Ground Floor Electrical - Containment Services

DRAWING No.	SCALE (@A1)	Project Ref:
ELT00_019	1 : 100	16080

- CONTRACTOR TO PREPARE DETAIL WORKING DRAWINGS FOR APPROVAL SUBSEQUENT TO SITE SURVEY.
- CONTRACTOR TO AGREE FINAL SETTINGS OUT PRIOR TO INSTALLATION.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL NECESSARY ARCHITECTURAL, STRUCTURAL & SPECIALIST DRAWINGS, SCOPE OF WORKS, ROOM DATA SHEETS & SPECIFICATIONS.
- ANY CALCULATIONS, SIZES, EQUIPMENT SELECTIONS, ARE INDICATIVE. CONTRACTOR TO UNDERTAKE CALCULATIONS, SIZING, EQUIPMENT SELECTION ETC. AS PART OF DESIGN RESPONSIBILITIES.
- DIMENSIONS SHALL NOT BE SCALED & FIGURED.
- DIMENSIONS MUST BE VERIFIED ON SITE BEFORE WORK COMMENCES.



Symbol Legend

- Lighting Containment
- Power Containment
- Data Containment
- Fire Alarms Containment
- Security Containment

Drawing Specific Notes

1. Primary & secondary power cables to maintain a diverse route throughout the building.
2. Cables to be sufficiently fastened throughout the corridor runs to satisfy Building Control requirements.
3. Containment systems to be spaced in accordance with the requirements of BS:7671 AMD 3 & BS EN 50174.
4. This drawing outlines primary containment routes only. Contractor to allow for all secondary & final containment in accordance with the specification.
5. Existing services are subject to validation survey.

1 Level 05 Electrical - Containment Services
1 : 100

1:100 @A1 — 2m, 4m, 6m, 8m, 10m

Rev	Revision	Date
1	Stage 3 Issue	04.09.2017

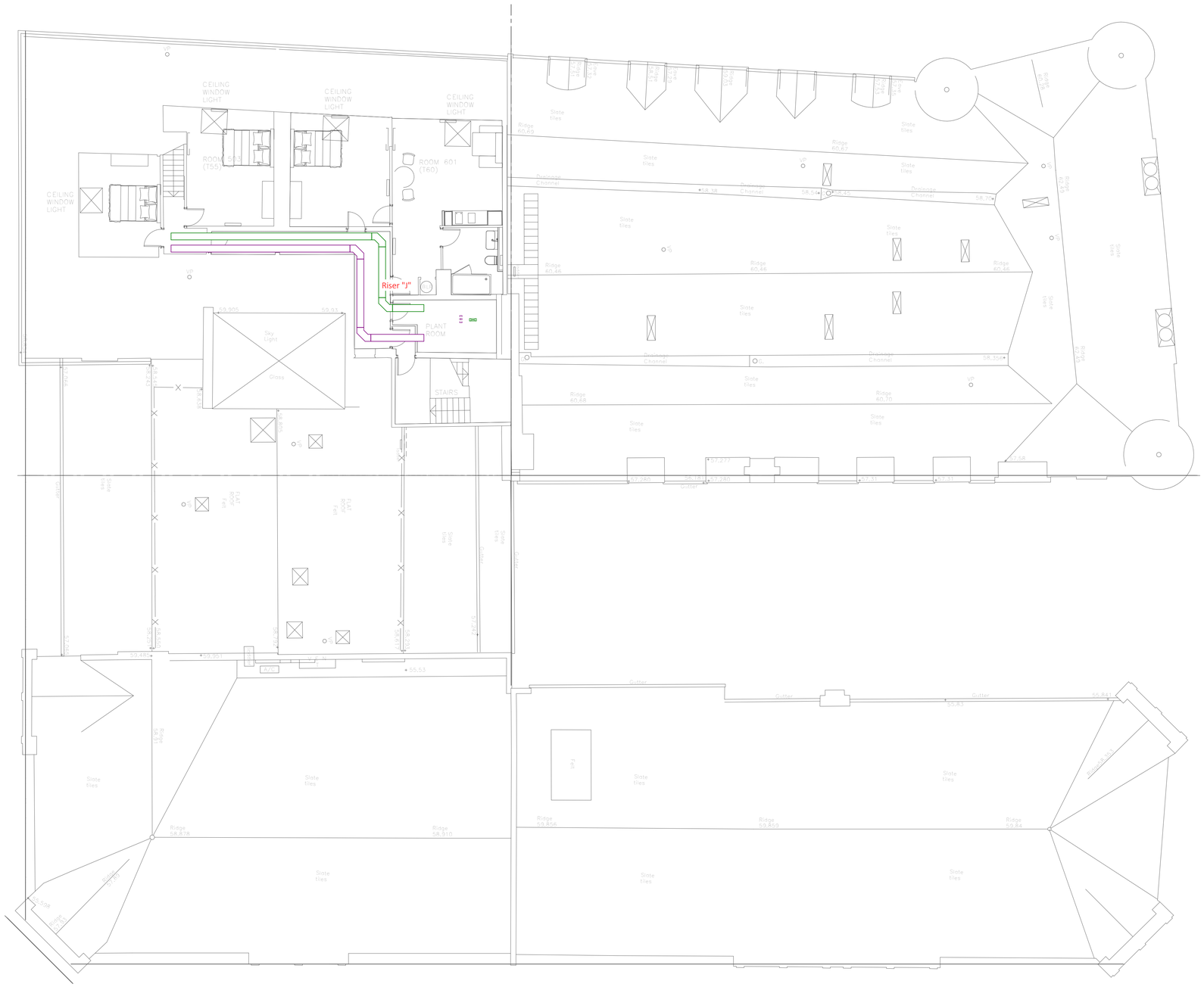
Applied ENERGY
www.appliedenergy.co.uk Tel: 01932 860860 Email: info@appliedenergy.co.uk

PROJECT
Whitworth Locke Manchester

TITLE
Fifth Floor Electrical - Containment Services

DRAWING No.	SCALE (@A1)	Project Ref:
ELT05_021	1 : 100	16080

- CONTRACTOR TO PREPARE DETAIL WORKING DRAWINGS FOR APPROVAL SUBSEQUENT TO SITE SURVEY.
- CONTRACTOR TO AGREE FINAL SETTINGS OUT PRIOR TO INSTALLATION.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL NECESSARY ARCHITECTURAL, STRUCTURAL & SPECIALIST DRAWINGS, SCOPE OF WORKS, ROOM DATA SHEETS & SPECIFICATIONS.
- ANY CALCULATIONS, SIZES, EQUIPMENT SELECTIONS, ARE INDICATIVE. CONTRACTOR TO UNDERTAKE CALCULATIONS, SIZING, EQUIPMENT SELECTION ETC. AS PART OF DESIGN RESPONSIBILITIES.
- DIMENSIONS SHALL NOT BE SCALED & FIGURED.
- DIMENSIONS MUST BE VERIFIED ON SITE BEFORE WORK COMMENCES.



1 Level 06 Electrical - Containment Services
1 : 100

Symbol Legend

- Lighting Containment
- Power Containment
- Data Containment
- Fire Alarms Containment
- Security Containment

Drawing Specific Notes

1. Primary & secondary power cables to maintain a diverse route throughout the building.
2. Cables to be sufficiently fastened throughout the corridor runs to satisfy Building Control requirements.
3. Containment systems to be spaced in accordance with the requirements of BS:7671 AMD 3 & BS EN 50174.
4. This drawing outlines primary containment routes only. Contractor to allow for all secondary & final containment in accordance with the specification.
5. Existing services are subject to validation survey.

1:100 @A1 (2m, 4m, 6m, 8m, 10m)

Rev	Revision	Date
1	Stage 3 Issue	04.09.2017

Applied ENERGY
www.appliedenergy.co.uk Tel: 01932 860860 Email: info@appliedenergy.co.uk

PROJECT: Whitworth Locke Manchester

TITLE: Sixth Floor Electrical - Containment Services

DRAWING No.	SCALE (@A1)	Project Ref:
ELT06_022	1 : 100	16080

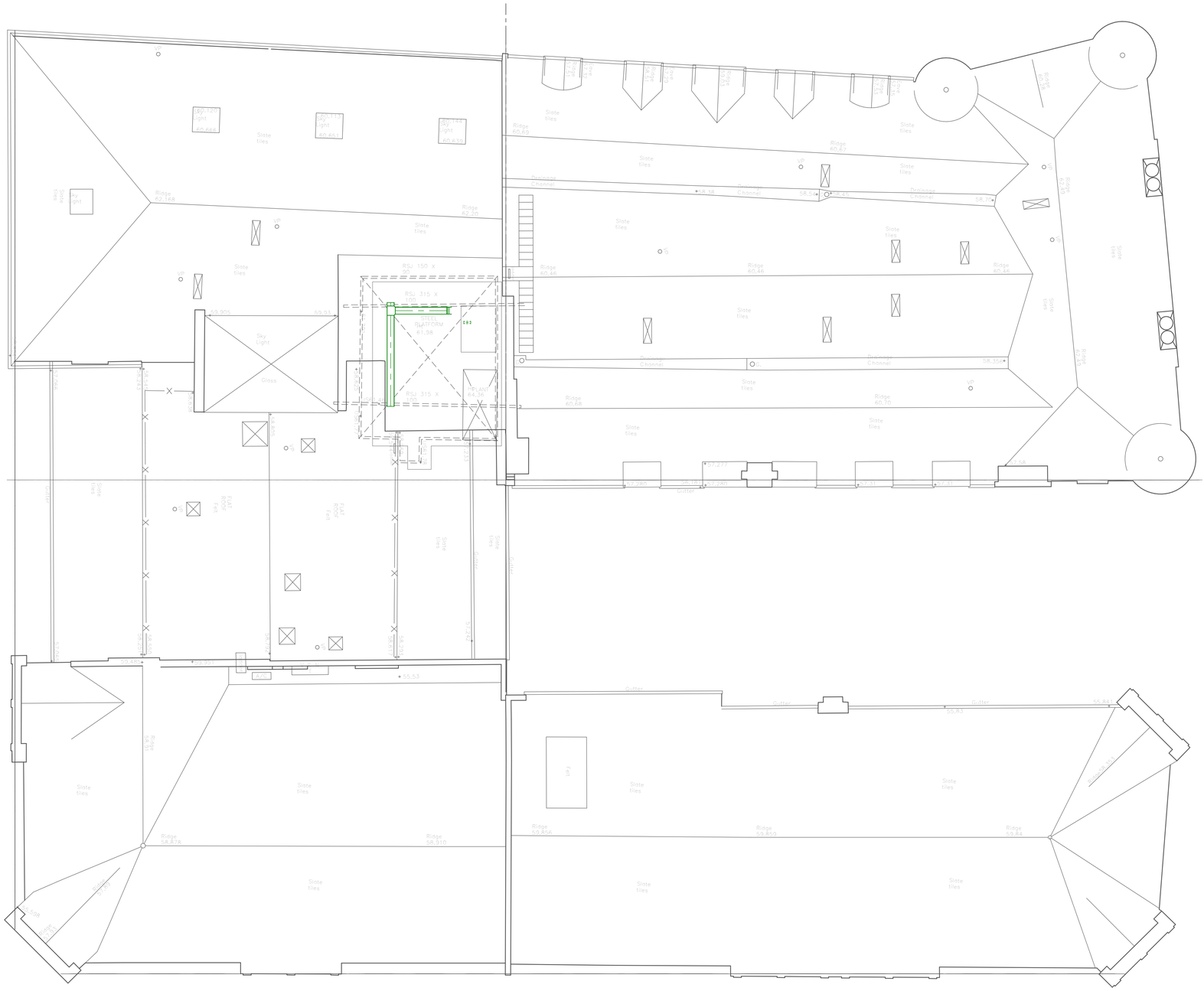
- CONTRACTOR TO PREPARE DETAIL WORKING DRAWINGS FOR APPROVAL SUBSEQUENT TO SITE SURVEY.
- CONTRACTOR TO AGREE FINAL SETTINGS OUT PRIOR TO INSTALLATION.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL NECESSARY ARCHITECTURAL, STRUCTURAL & SPECIALIST DRAWINGS, SCOPE OF WORKS, ROOM DATA SHEETS & SPECIFICATIONS.
- ANY CALCULATIONS, SIZES, EQUIPMENT SELECTIONS, ARE INDICATIVE. CONTRACTOR TO UNDERTAKE CALCULATIONS, SIZING, EQUIPMENT SELECTION ETC. AS PART OF DESIGN RESPONSIBILITIES.
- DIMENSIONS SHALL NOT BE SCALED & FIGURED.
- DIMENSIONS MUST BE VERIFIED ON SITE BEFORE WORK COMMENCES.

Symbol Legend

- Lighting Containment
- Power Containment
- Data Containment
- Fire Alarms Containment
- Security Containment

Drawing Specific Notes

1. Primary & secondary power cables to maintain a diverse route throughout the building.
2. Cables to be sufficiently fastened throughout the corridor runs to satisfy Building Control requirements.
3. Containment systems to be spaced in accordance with the requirements of BS:7671 AMD 3 & BS EN 50174.
4. This drawing outlines primary containment routes only. Contractor to allow for all secondary & final containment in accordance with the specification.
5. Existing services are subject to validation survey.



1 Level 07 Electrical - Containment Services
1 : 100

N

1:100 @A1 | 2m | 4m | 6m | 8m | 10m

Rev	Revision	Date
1	Stage 3 Issue	04.09.2017

Applied ENERGY

www.appliedenergy.co.uk Tel: 01932 860860 Email: info@appliedenergy.co.uk

PROJECT
Whitworth Locke Manchester

TITLE
Seventh Floor (Roof) Electrical - Containment Services

DRAWING No:	SCALE (@A1)	Project Ref:
ELT07_023	1 : 100	16080