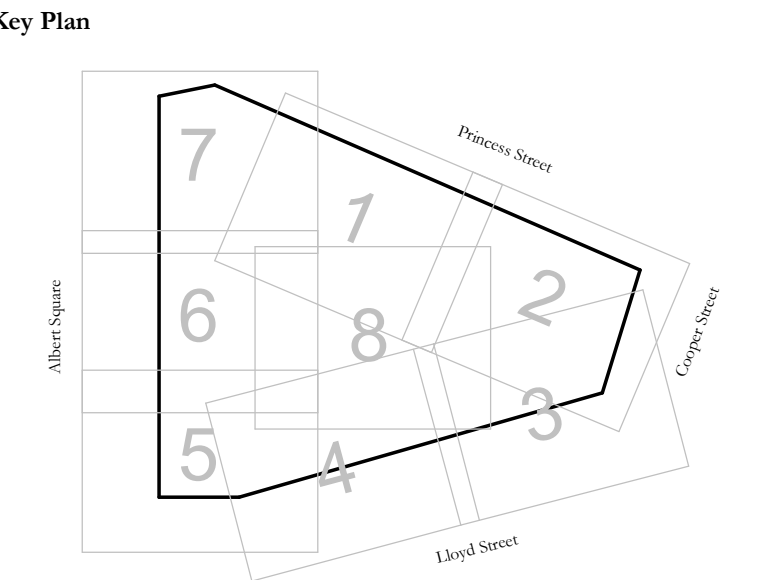


Scale Bars to be used as guidance only - refer to sheet size below									
1:50	0 1 2 3 4 5	1:5	1 2 3 4 5	1:1	1 2 3 4 5	1:1	1 2 3 4 5	1:1	1 2 3 4 5
1:100	0 10 20 30 40 50	1:100	0 100 200 300 400 500	1:100	0 100 200 300 400 500	1:100	0 100 200 300 400 500	1:100	0 100 200 300 400 500
1:200	0 20 40 60 80 100	1:200	0 200 400 600 800 1000	1:200	0 200 400 600 800 1000	1:200	0 200 400 600 800 1000	1:200	0 200 400 600 800 1000
1:500	0 50 100 150 200	1:500	0 500 1000 1500 2000	1:500	0 500 1000 1500 2000	1:500	0 500 1000 1500 2000	1:500	0 500 1000 1500 2000

General Notes:
Drawings are based on survey data and may not accurately represent what is physically present.
Do not scale from this drawing. All dimensions are to be verified on site before proceeding with the work.
All dimensions are in millimetres unless noted otherwise.



- Notes:**
- This drawing shall be read in conjunction with all other relevant drawings and documents.
 - This drawing is produced for Stage 4 issue for Construction.
 - This drawing has been produced using the following external links:
OTH-PUR-TH-LC-MSD-A-0018 Revision 08
OTH-PUR-ZZ-ZZ-MSD-A-0001 Revision 26
OTH-PUR-ZZ-ZZ-MSD-A-0009 Revision 18
OTH-PUR-ZZ-ZZ-MSD-A-0013 Revision 02
OTH-RAM-TH-XX-MSD-C-0002 Revision P01
OTH-RAM-ZZ-ZZ-MSD-S-0001 Revision P07
S670-TDA-00-XX-M3-A-0000 Revision 02
OTH-HAK-TH-ZZ-MSD-V-0001 Revision P0.2
 - The Contractor shall in particular refer to OTH-ARU-ZZ-XX-SPE-E-0004 Lightning Protection Specification to gain understanding of the scheme as a whole, including phasing and temporary works.
 - All equipment noted in this drawing is proposed to be new. Unless otherwise stated, all existing lightning protection equipment to be decommissioned.
 - All exposed metallic equipment on the roof to be bonded to the lightning protection system.
 - The Contractor shall include for cross bonding metallic elements to the lightning protection system, to minimise risk of flashovers, these shall include all items listed below:
-Exposed metalwork
-Aerials and dishes
-Roof-top plant
-Plant screens
-Pipework and containment
-Flues
-Walkways at regular intervals.
 - Down conductor routes shall be coordinated with existing rainwater pipework.

- Air rod
- Bond to highest point
- 50x50mm strike plate
- Exposed downwiring conductor - PVC covered solid circular copper
- Concealed down conductor (detail to be confirmed with Purcell)
- Down conductor
- Facade mounted down conductor connecting to earth electrode via test clamp

C01	13/03/20	TW	AD	TW
Work Stage 4 Issue for Construction				
P02	29/08/19	EO	ML	TW
Work Stage 4 Issue				

RIBA Work Stage 3 revisions below.
Previous Drawing Number OTH-ARU-TH-RF-DWG-E-2401

P01	31/10/18	AD	TW	CT
Work Stage 3 Issue for Coordination				
ISSUE	DATE	DRAWN	CHECKED	APPROVED



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PROJECT STATUS Work Stage 4

CLIENT Manchester City Council

PROJECT Our Town Hall
DRAWING TITLE Lightning Protection
Roof Layout

SIZE & SCALE A0: 1 : 150

DRAWING STATUS S4 - Suitable for Construction

ROLE Electrical Services
JOB NUMBER 256650

DRAWING NO. **REV**

OTH-ARU-TH-RF-DWG-E-24401 C01