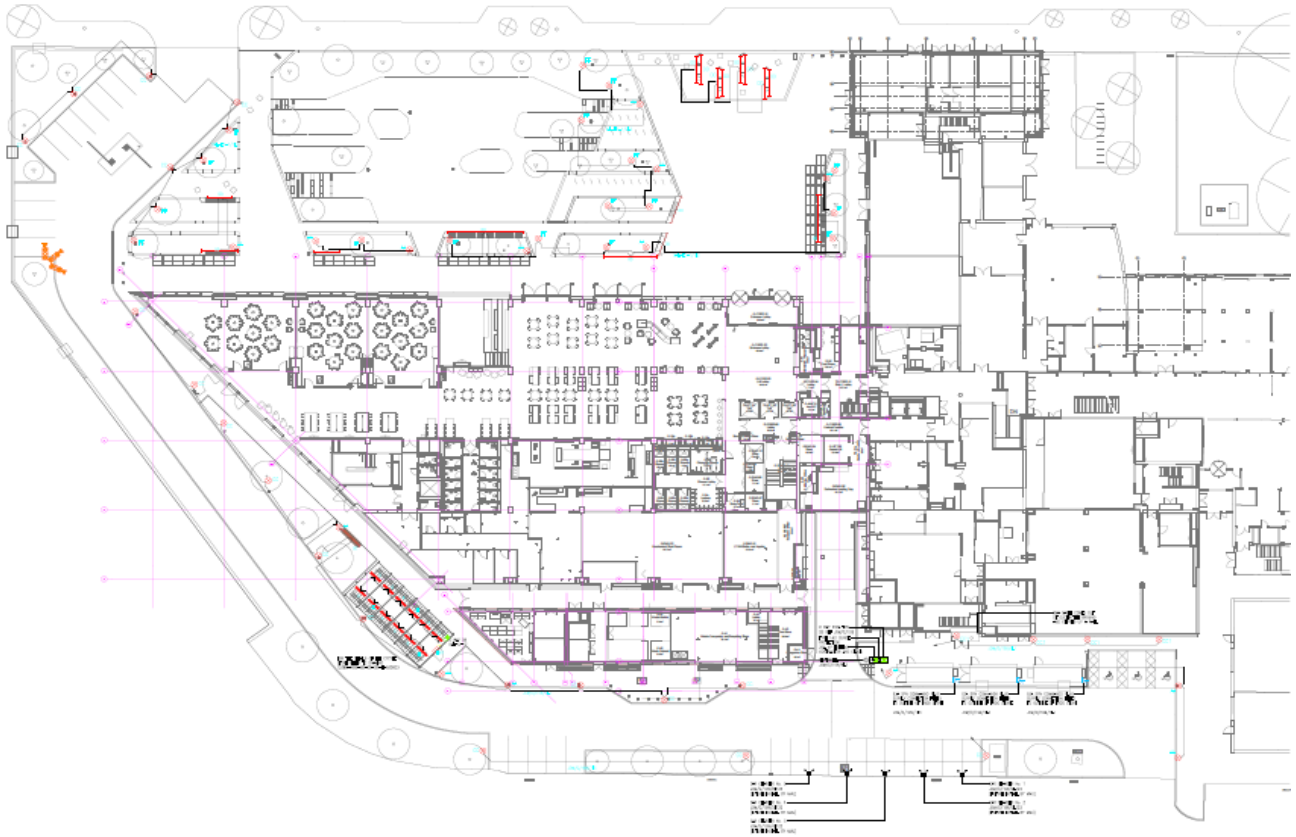
NG Bailey

ManMet External Lighting

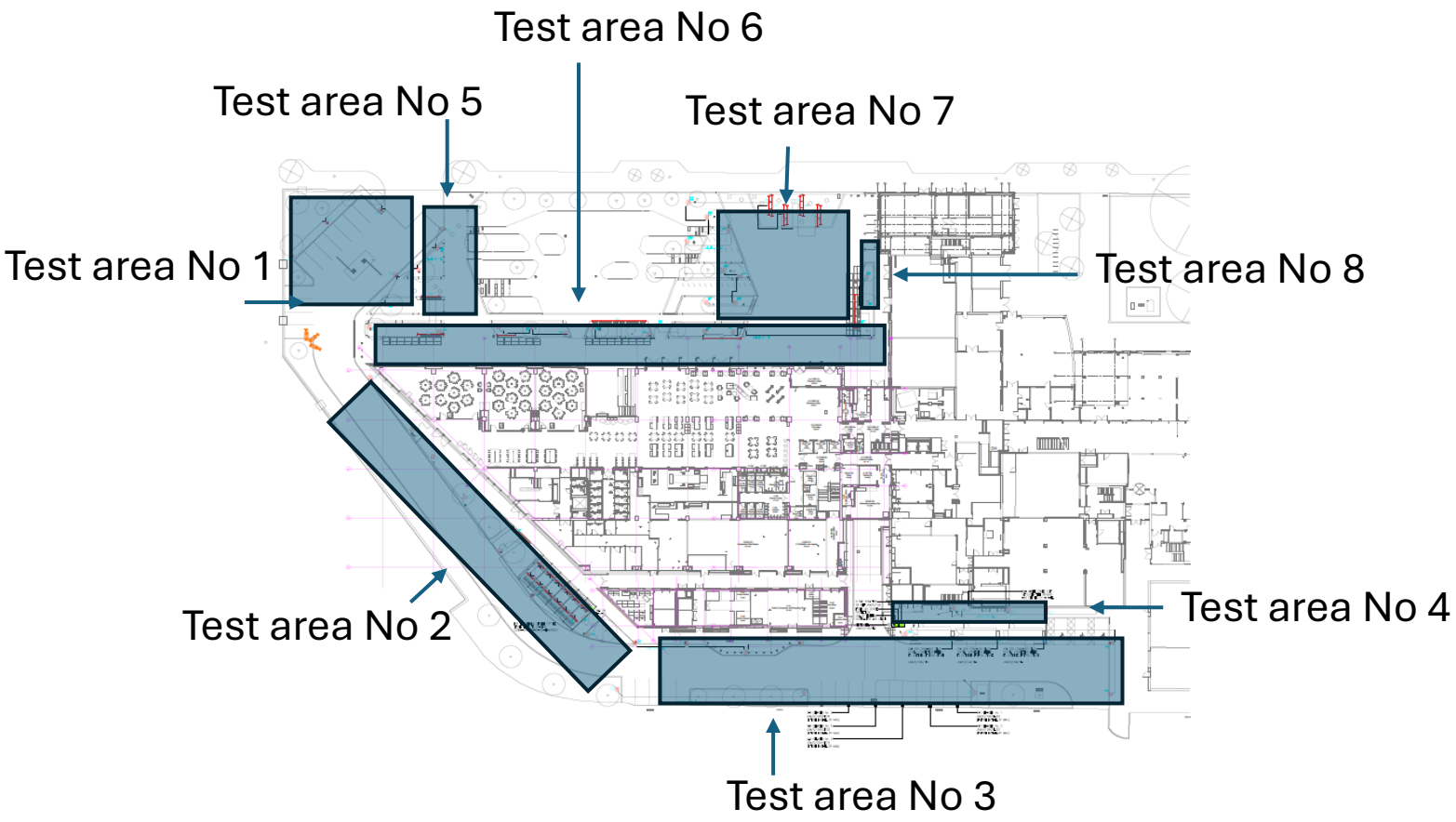
Lux Level Testing – Sept 2025

Chester Street



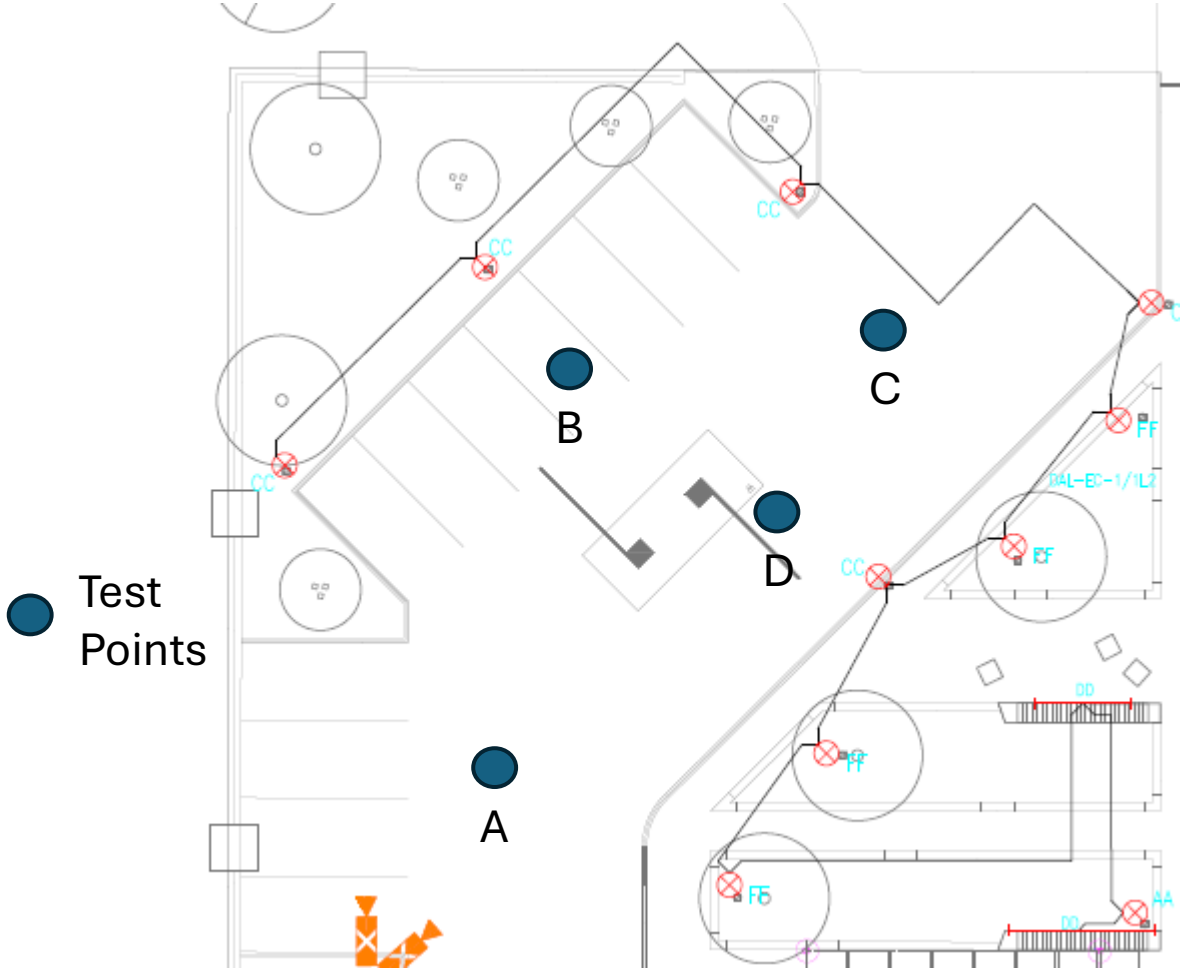
JDT Building Rear

- As part of the MMU S&E new building External lighting was provided to the service road from Chester Street to the rear of the JDT building.
- Feature lighting was provided to the front seating area of the building
- The External lighting is controlled via Photocell and timeclock
- Please refer to NGB external Lighting calculations ref – 1338BNGB-NB-CA-E-6300002



- Lux level tests were split into the following test areas No1 to No 8
- Test were carried out along the service road at various points
- Lux level requirements
  - Average 20 lux – Roads
  - 1 lux min- 5 Lux average Pathway, pedestrian areas
  - Test date – 30/07/2025

EXTERNAL LIGHTING – TEST AREA NO 1





TP- A = 29.Lux



TP- B = 21.Lux



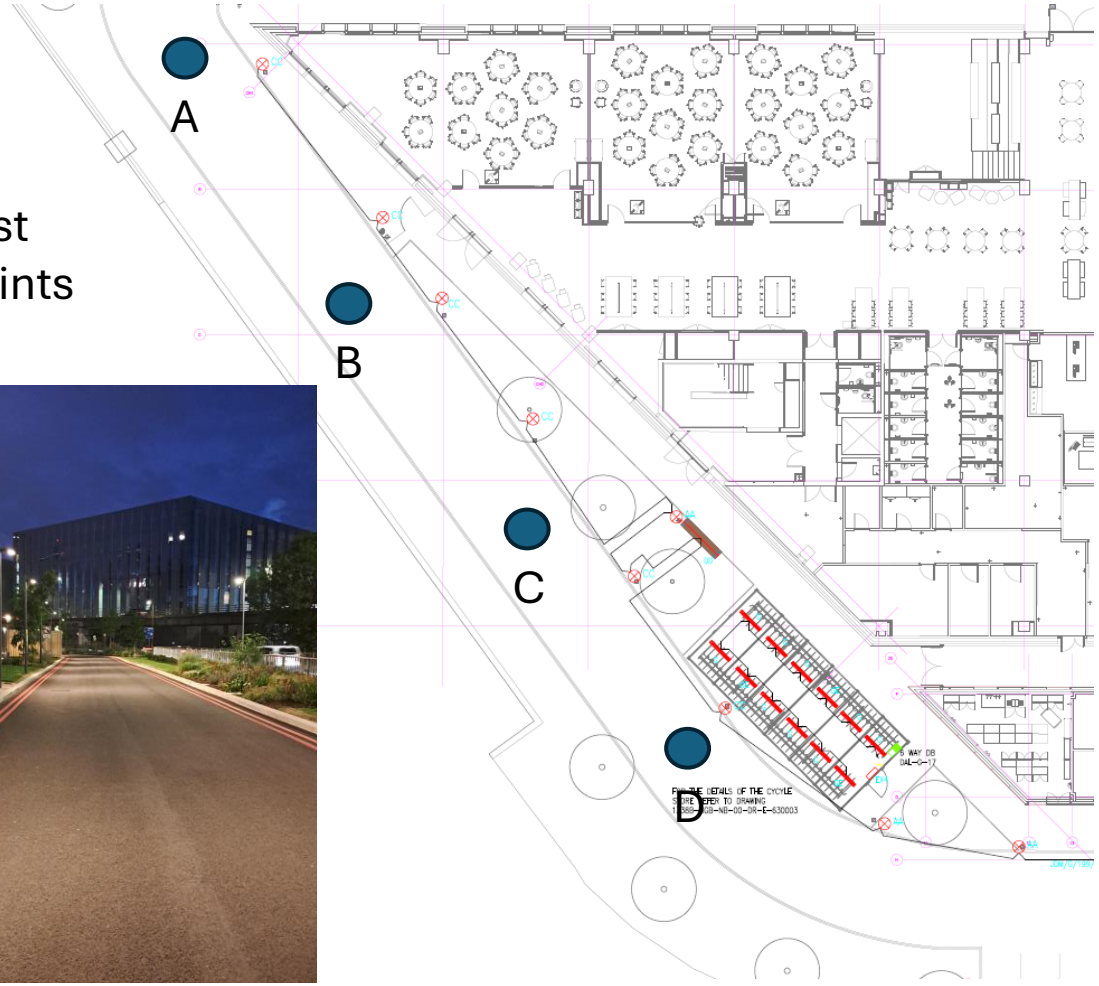
TP- C = 74.Lux



TP- D = 80.Lux

EXTERNAL LIGHTING – TEST AREA NO 2

Test Points



View looking from TP - A



TP- A = 84.Lux



TP- B = 45.Lux



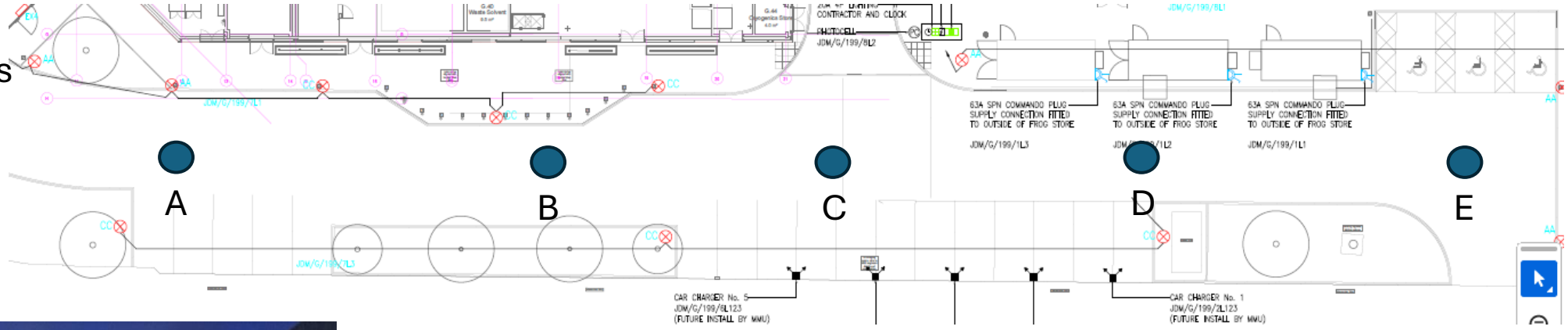
TP- C = 17.Lux



TP- D = 83.Lux

EXTERNAL LIGHTING – TEST AREA NO 3

Test Points





View looking from TP - A



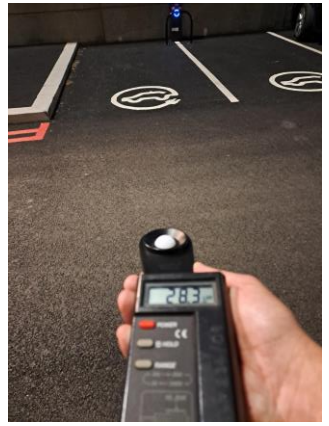
TP- A = 40.Lux



TP- B = 79.Lux



TP- C = 23.Lux



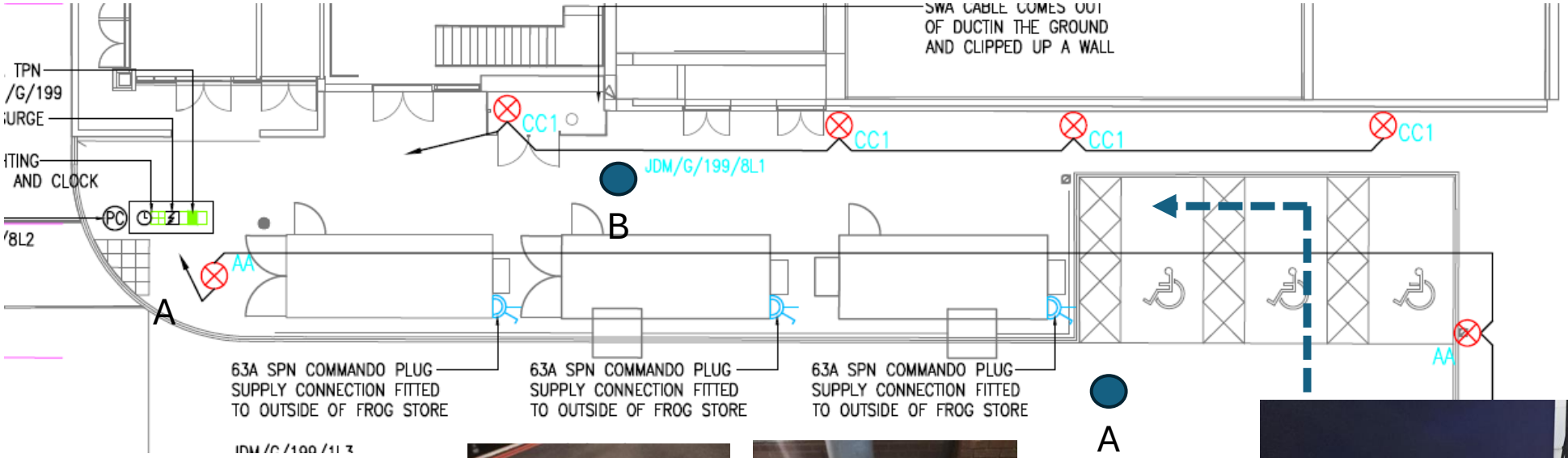
TP- D = 28.Lux



TP- E = 49.Lux

EXTERNAL LIGHTING – TEST AREA NO 4

Test Points

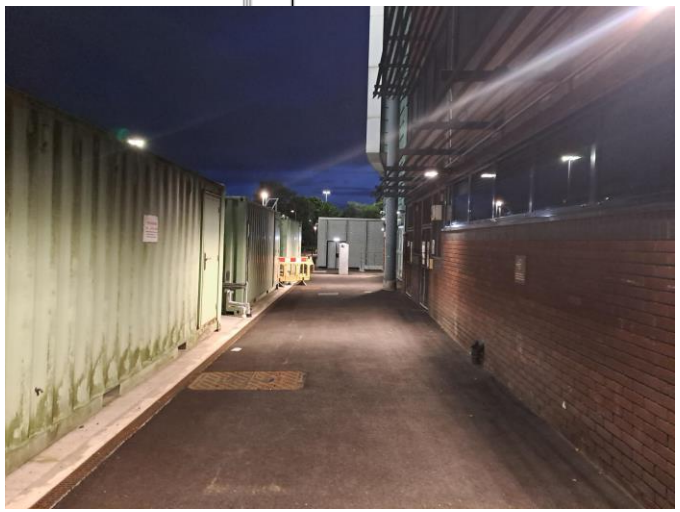




TP- A = 26.Lux

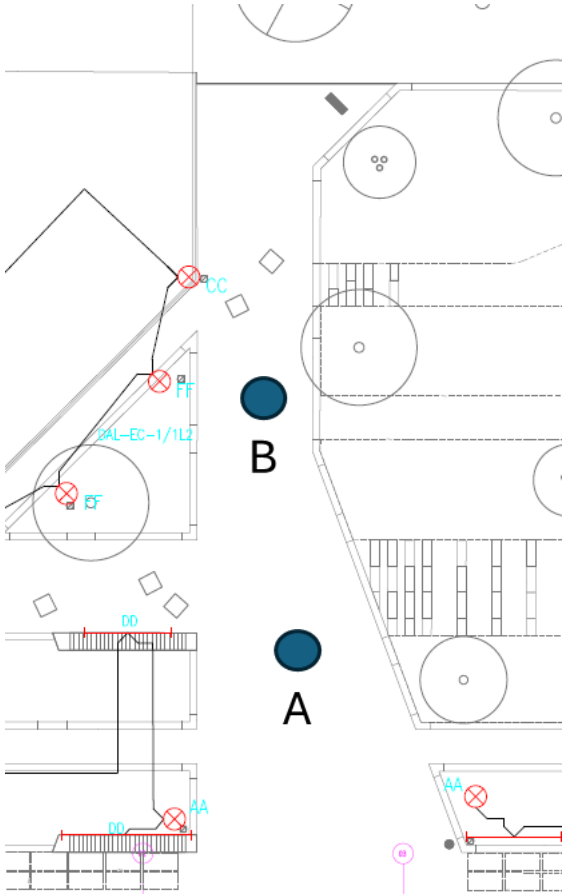


TP- B = 61.Lux



View looking towards TP-B

EXTERNAL LIGHTING – TEST AREA NO 5



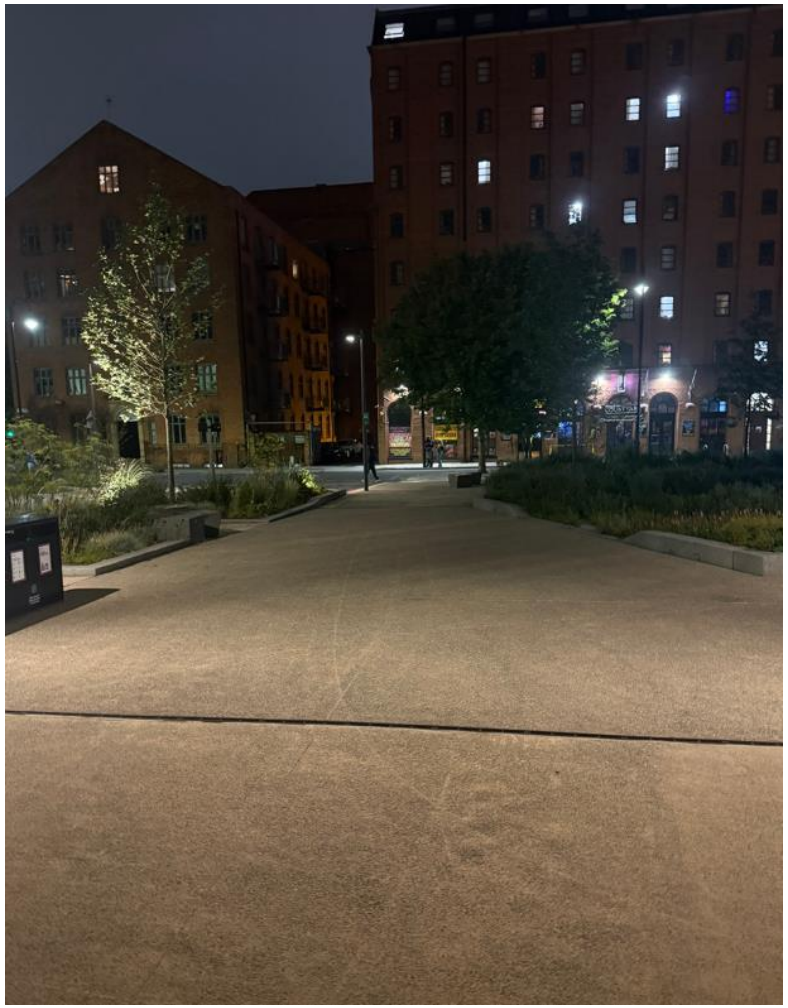
Test Points



TP- A = 4.33.Lux



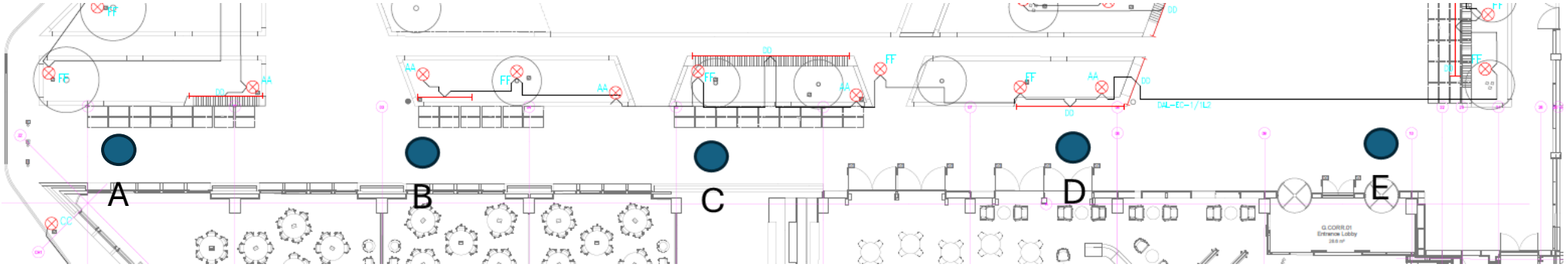
TP- B = 2.84.Lux



View looking towards TP-B

EXTERNAL LIGHTING – TEST AREA NO 6

Test Points





TP- A = 7.06.Lux



TP- B = 12.38.Lux



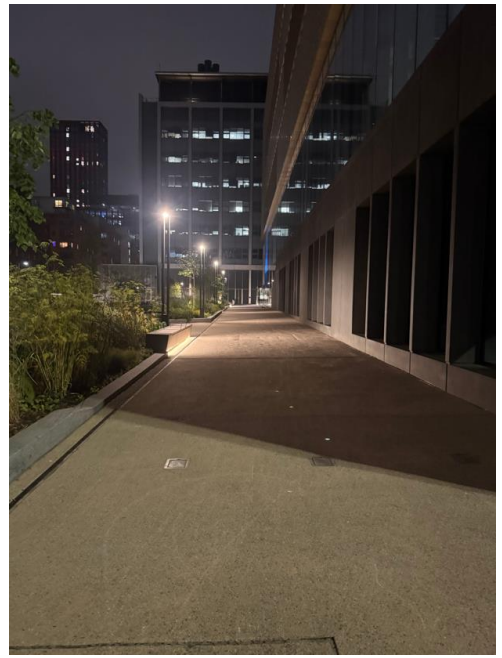
TP- C = 4.64.Lux



TP- D = 18.90.Lux

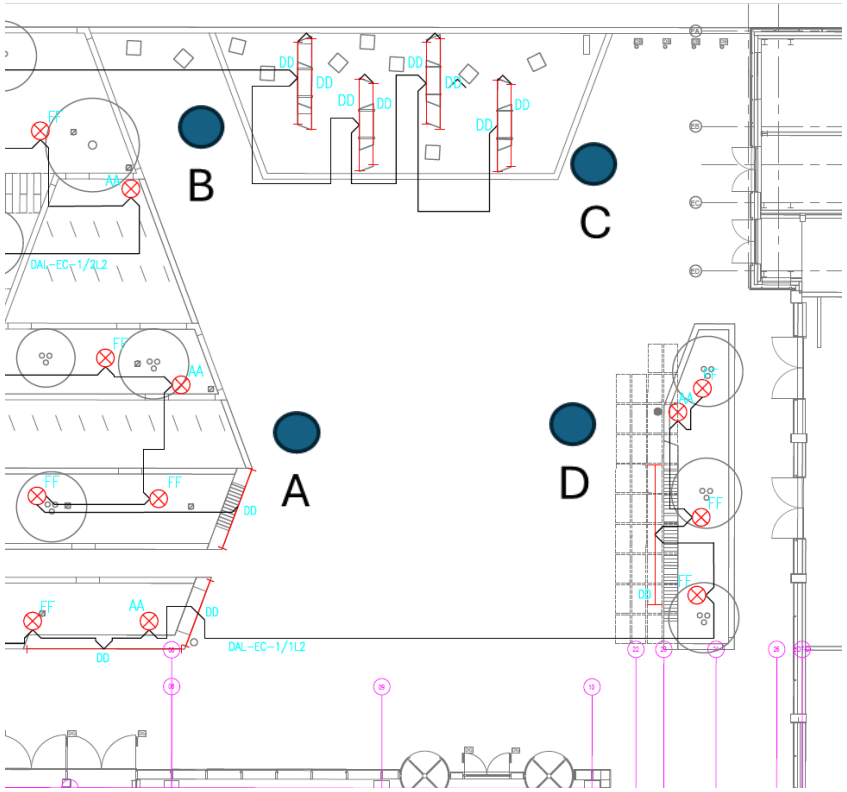


TP- E = 15.80.Lux



View looking towards TP-A to E

EXTERNAL LIGHTING – TEST AREA NO 7



Test Points



TP- A = 3.49.Lux



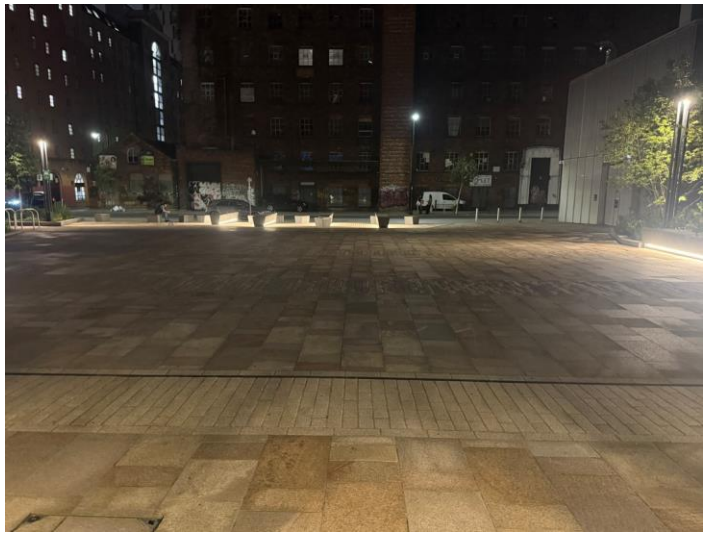
TP- B = 3.65.Lux



TP- C = 2.92.Lux

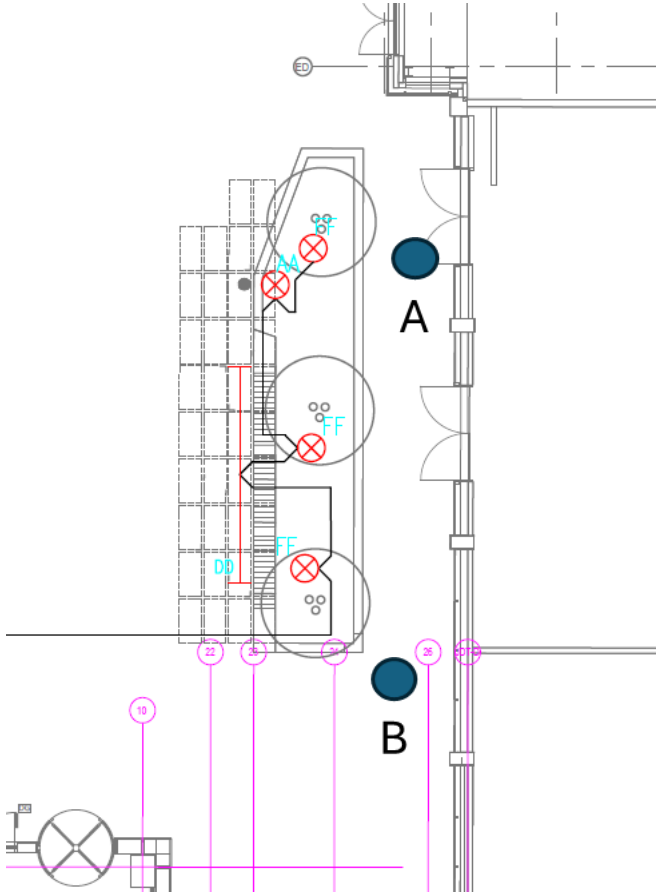


TP- D = 4.67.Lux



View looking towards TP-B & C

EXTERNAL LIGHTING – TEST AREA NO 8



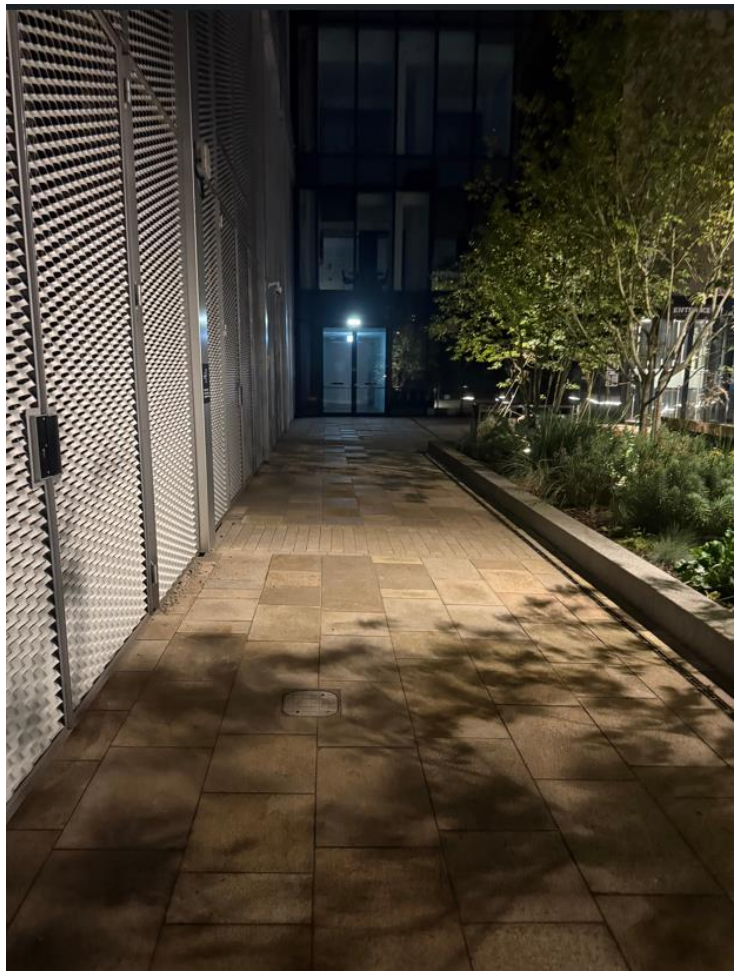
Test Points



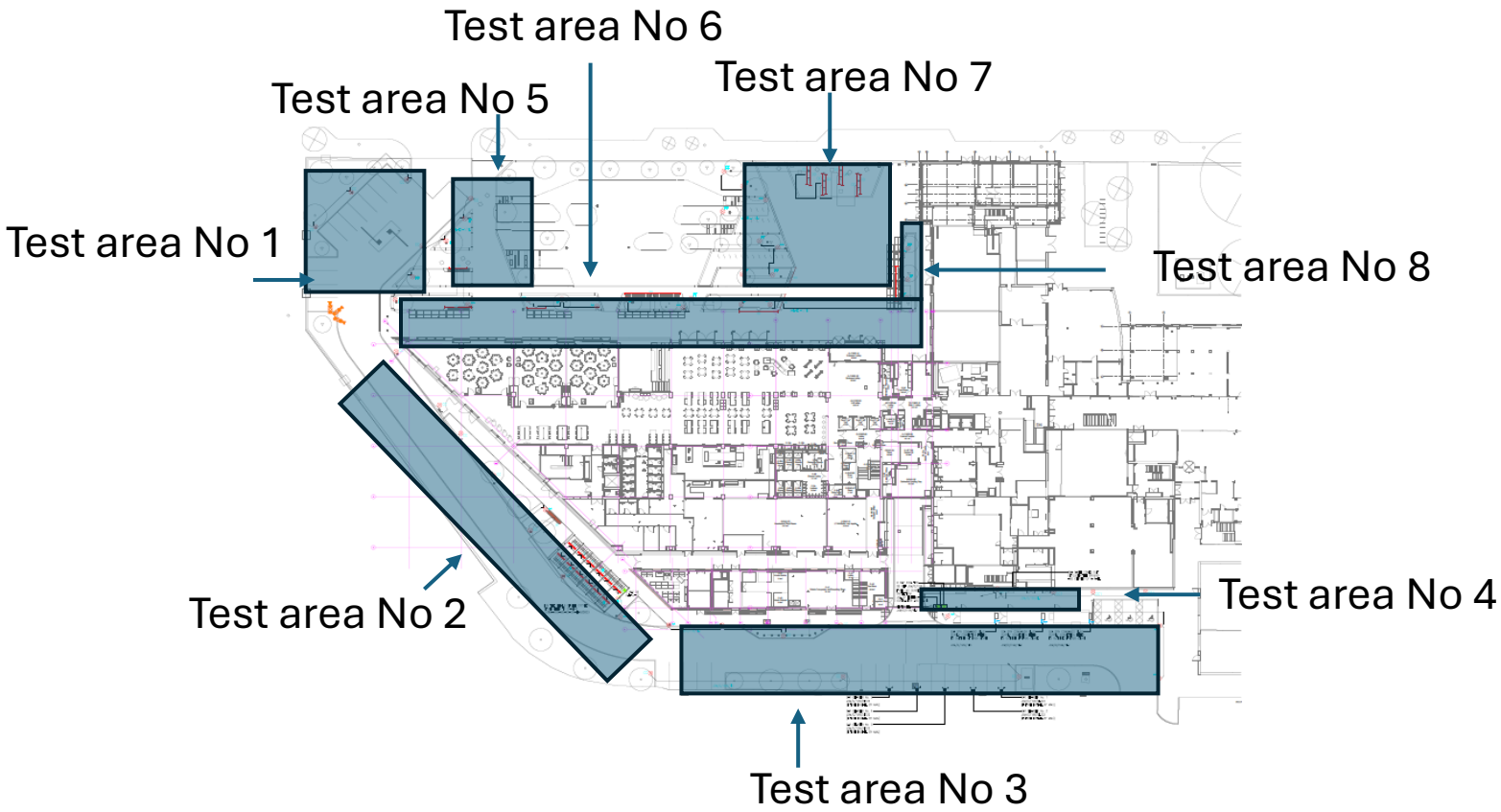
TP- A = 7.12.Lux



TP- B = 1.56.Lux



View looking towards TP-B



- The Lux level readings taken reflect the design data.
- In some areas light pollution is gained from high level street Lighting from the surrounding road on the Mancunian way
- NGB confirm that the lux levels to the surrounding buildings of the ManMet S&E and the building itself before 23.00 do not exceed 25 lux (ave) and also after 23:00 they do not exceed 5 lux (ave).

	Test Area No 1	Test Area No 2	Test Area No 3	Test Area No 4	Test Area No 5	Test Area No 6	Test Area No 7	Test Area No 8
TP- A	29	84	40	26	4.33	7.06	3.49	7.12
TP- B	21	45	79	61	2.84	12.38	3.65	1.56
TP- C	74	17	23	n/a	n/a	4.64	2.92	n/a
TP- D	80	83	28	n/a	n/a	18.90	4.67	n/a
TP- E	n/a	n/a	49	n/a	n/a	15.80	n/a	n/a