

DATE: 11 December 2020
DESIGNER: Graham Sheehan + AN
PROJECT No: SES 06020 Rev B
PROJECT NAME: Old School House OSH Ventures Ltd.



Designed in accordance with EN13201-2:2015 Class P4.

Rev A: Some column removed.
Rev B: Updated Site Layout.

Outdoor Lighting Report

PREPARED BY: Sabre Electrical Services Ltd.
Unit 11,
Bellview Industrial Estate,
Tolka Valley Road,
Dublin 11
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Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1	704764.00	735977.00	300.00	159.00	1.50	1.50
2	Grid 2	705056.00	735909.00	300.00	159.00	1.50	1.50
3	Grid 3	705347.71	735839.48	300.00	159.00	1.50	1.50

Luminaires



Luminaire A Data

Supplier	C U Phosco
Type	P852-12-P4-WW-CA0550-21W
Lamp(s)	730C WW
Lamp Flux (klm)	2.56
File Name	P852-12-P4-WW-CA0550-21W.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	730.4, 161.4, 0.8
No. in Project	23



Luminaire B Data

Supplier	C U Phosco
Type	P852-12-R3B-WW-CA0200-9W
Lamp(s)	730C WW
Lamp Flux (klm)	1.04
File Name	P852-12-R3B-WW-CA0200-9W.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	876.7, 56.5, 1.7
No. in Project	13

Luminaire C Data

Supplier	
Type	P852-12-P4-WW-CA550-21W-RS
Lamp(s)	730C
Lamp Flux (klm)	2.46
File Name	P852-12-P4-WW-CA550-21W-RS.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	732.6, 53.8, 2.3
No. in Project	8

Layout

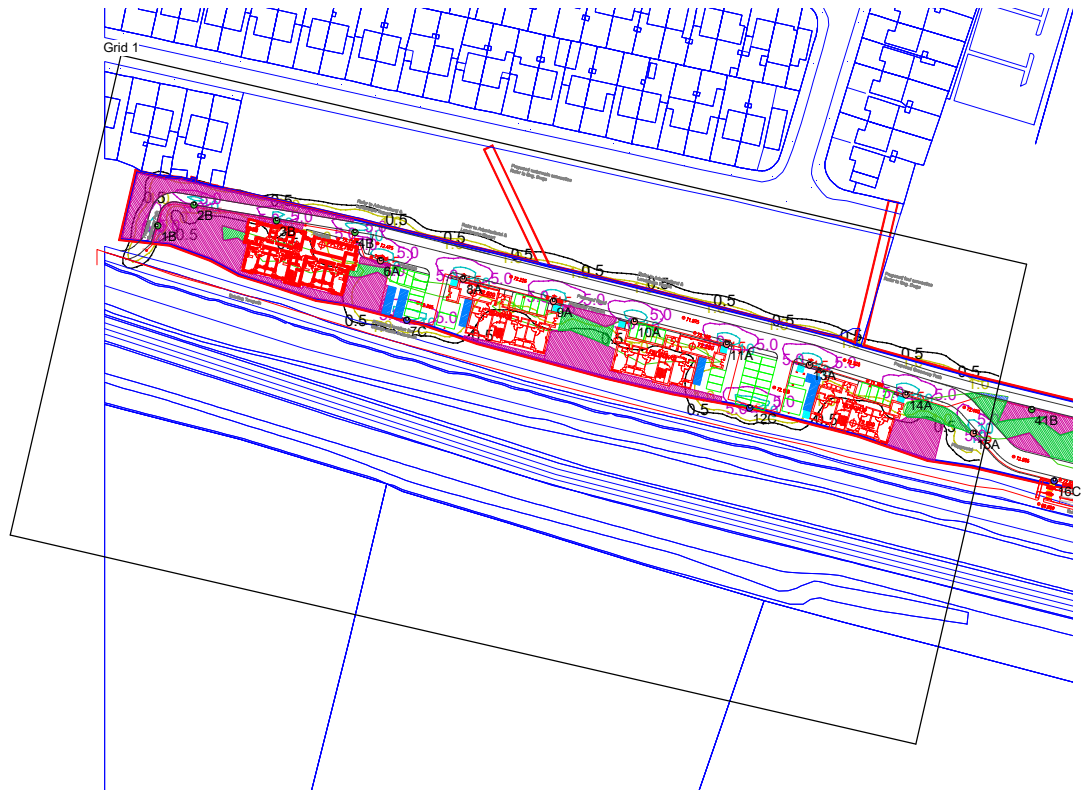
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	704811.65	736076.82	5.00	158.00	0.00	0.00	0.40			
2	B	704823.32	736083.58	5.00	79.00	0.00	0.00	0.40			
3	B	704849.97	736078.52	5.00	81.00	0.00	0.00	0.40			
4	B	704875.27	736074.69	5.00	81.00	0.00	0.00	0.40			
5	C	705380.16	735925.60	6.00	78.00	5.00	0.00	0.40			
6	A	704883.60	736065.63	6.00	77.00	5.00	0.00	0.40			
7	C	704892.05	736046.39	6.00	78.00	5.00	0.00	0.40			
8	A	704910.17	736059.73	6.00	78.00	5.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
9	A	704939.34	736052.49	6.00	78.00	5.00	0.00	0.40			
10	A	704965.51	736045.95	6.00	78.00	5.00	0.00	0.40			
11	A	704995.28	736038.59	6.00	74.00	5.00	0.00	0.40			
12	C	705002.69	736018.04	6.00	80.00	5.00	0.00	0.40			
13	A	705021.99	736031.93	6.00	77.00	5.00	0.00	0.40			
14	A	705053.11	736022.33	6.00	76.00	5.00	0.00	0.40			
15	A	705074.94	736009.93	6.00	47.00	5.00	0.00	0.40			
16	C	705100.92	735994.50	6.00	73.00	5.00	0.00	0.40			
17	C	705131.42	735987.06	6.00	78.00	5.00	0.00	0.40			
18	A	705158.00	735984.40	6.00	98.00	5.00	0.00	0.40			
19	A	705184.71	735990.61	6.00	78.00	5.00	0.00	0.40			
20	A	705215.42	735982.86	6.00	72.00	5.00	0.00	0.40			
21	C	705218.06	735965.39	6.00	81.00	5.00	0.00	0.40			
22	A	705409.98	735934.69	6.00	78.00	5.00	0.00	0.40			
23	A	705251.20	735974.23	6.00	78.00	5.00	0.00	0.40			
24	A	705285.14	735965.78	6.00	74.00	5.00	0.00	0.40			
25	C	705294.96	735946.13	6.00	73.00	5.00	0.00	0.40			
26	A	705307.72	735960.03	6.00	75.00	5.00	0.00	0.40			
27	C	705315.17	735942.94	6.00	77.00	5.00	0.00	0.40			
28	A	705343.76	735951.29	6.00	74.00	5.00	0.00	0.40			
29	A	705374.70	735943.53	6.00	78.00	5.00	0.00	0.40			
30	A	705441.95	735926.79	6.00	78.00	5.00	0.00	0.40			
31	A	705460.77	735913.00	6.00	29.00	5.00	0.00	0.40			
32	A	705491.22	735899.29	6.00	78.00	5.00	0.00	0.40			
33	A	705525.25	735890.99	6.00	78.00	5.00	0.00	0.40			
34	A	705558.25	735883.70	6.00	90.00	5.00	0.00	0.40			
35	A	705591.12	735881.90	6.00	88.00	5.00	0.00	0.40			
36	B	705482.21	735922.68	5.00	74.00	0.00	0.00	0.40			
37	B	705509.05	735915.78	5.00	78.00	0.00	0.00	0.40			
38	B	705533.41	735909.12	5.00	75.00	0.00	0.00	0.40			
39	B	705559.97	735902.12	5.00	75.00	0.00	0.00	0.40			
40	B	705579.73	735893.29	5.00	60.00	0.00	0.00	0.40			
41	B	705093.69	736017.55	5.00	75.00	0.00	0.00	0.40			
42	B	705119.39	736011.37	5.00	75.00	0.00	0.00	0.40			
43	B	705142.56	736005.65	5.00	78.00	0.00	0.00	0.40			
44	B	705163.55	736001.01	5.00	78.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

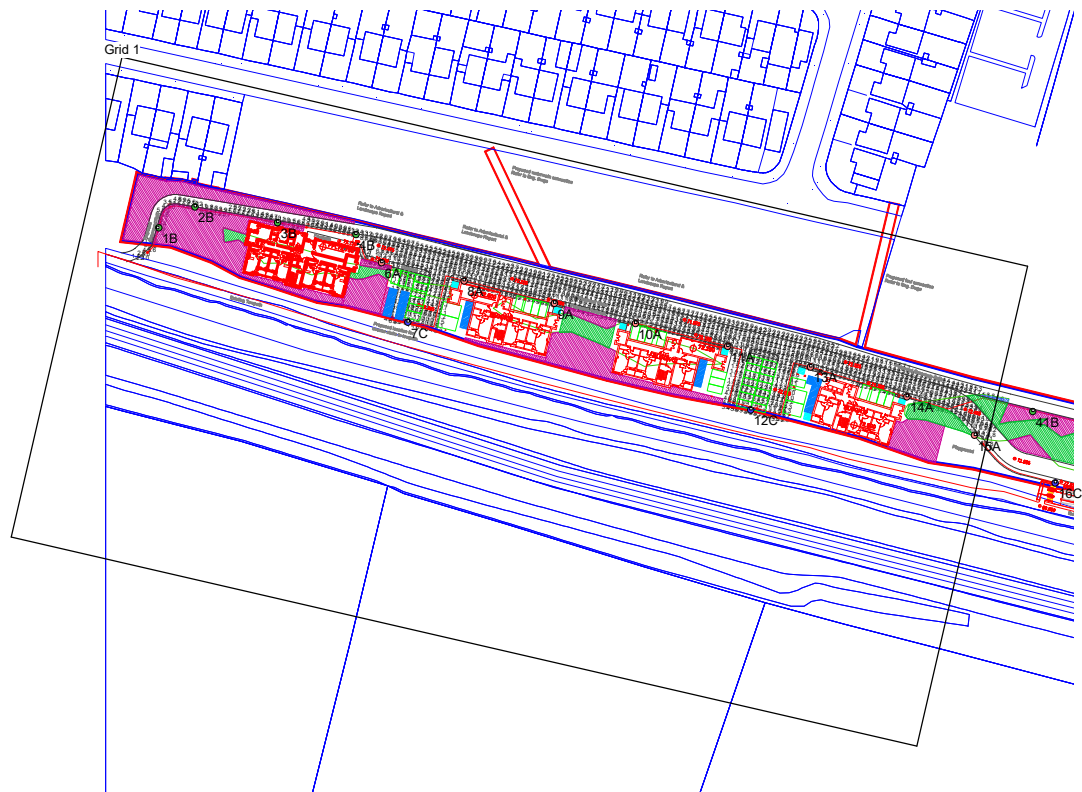


Results

Eav	5.03
Emin	1.03
Emax	15.77
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 1

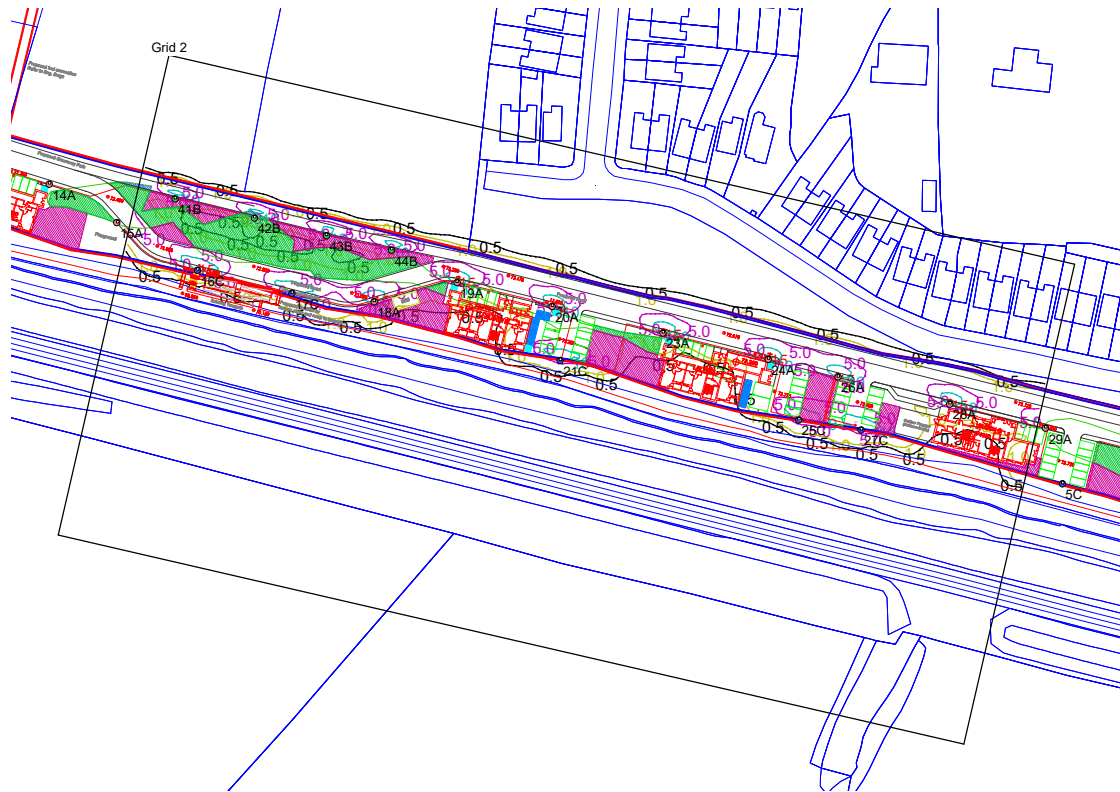


Results

Eav	5.03
Emin	1.03
Emax	15.77
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 2



Results

Eav	5.07
Emin	1.16
E _{max}	15.63
E _{min} /E _{max}	0.07
E _{min} /E _{av}	0.23

Horizontal Illuminance (lux)

Grid 2

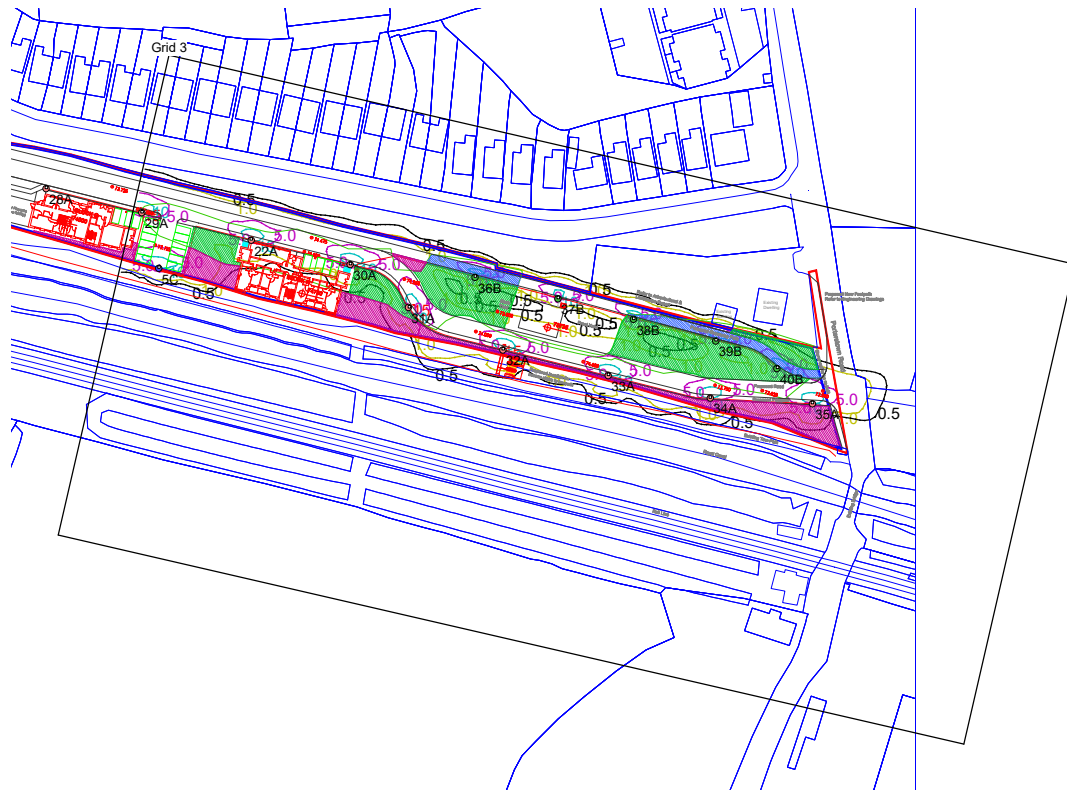


Results

Eav	5.07
Emin	1.16
Emax	15.63
Emin/Emax	0.07
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 3



Results

Eav	5.02
Emin	1.02
Emax	15.30
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 3



Results

Eav	5.02
Emin	1.02
Emax	15.30
Emin/Emax	0.07
Emin/Eav	0.20