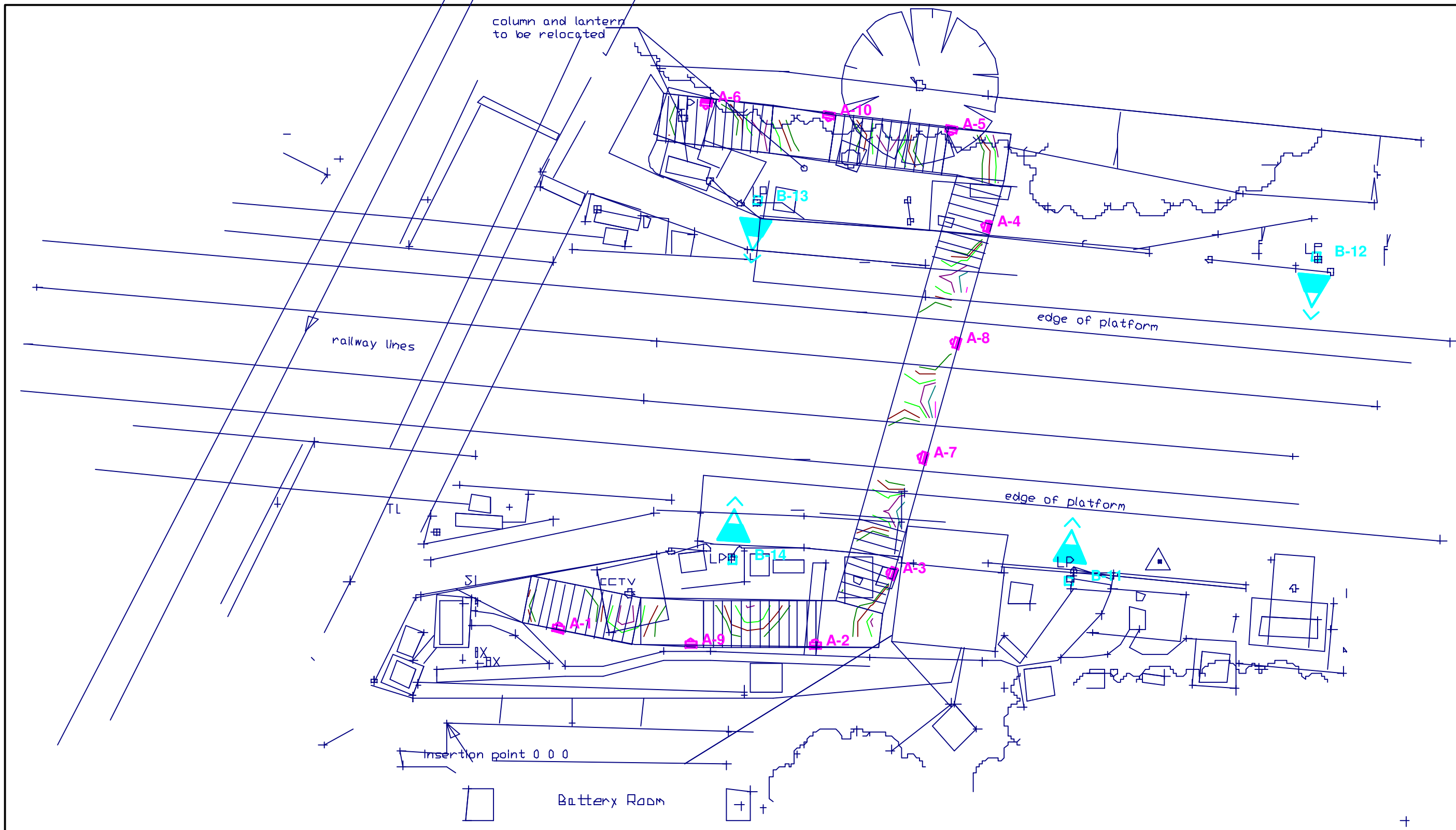
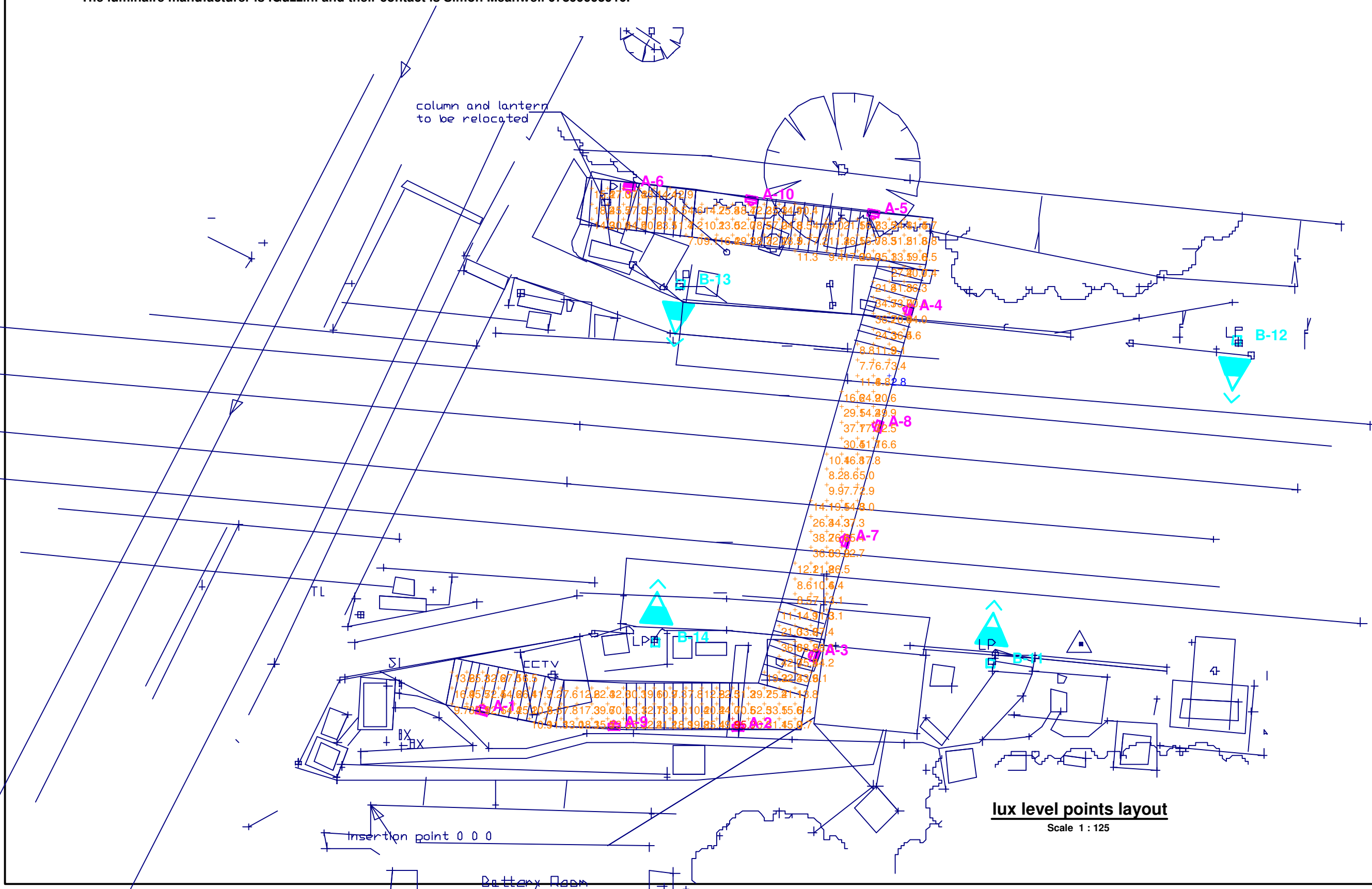




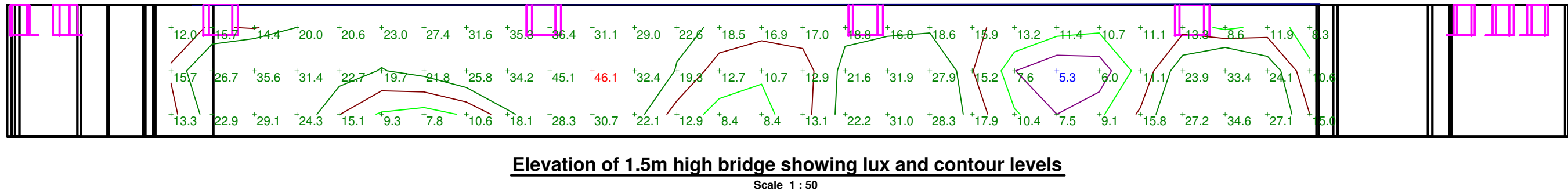
NOTES

- New bridge lighting to facilitate safe passage across the railway lines.
- The side of the bridge is 1.5m high and is of solid construction.
- The luminaire mounting height in the key is shown to be 1.2m high however this is to the bottom of the luminaire and it will be 1.3m to the centre.
- The elevation snapshot shows the view from the East and details the lighting lux levels and contours on the wall of the bridge. The light is contained within the bridge walls and does not shine upwards.
- The fluorescent luminaire chosen has a very directional distribution and the light is emitted in a downward and forward direction. This means the bridge deck is well illuminated and will give a feeling of safety and security for the pedestrian whilst not causing glare or spill light.
- The luminaire uses a compact fluorescent lamp which emits white light and is suitable for this environment.
- Fluorescent lamps give good colour rendering so that those using the bridge can clearly see others and be able to recognise them. This helps to increase the feeling of safety and gives better CCTV images.
- The luminaire is wall mounted on the surface finish of the bridge but should enough recess depth be available it can also be recessed which would be the preferred method of installation.
- The luminaire was chosen for its light distribution and also for its shallow profile, which along with its circular shape, will make it difficult for anyone to use as a climbing aid.
- The luminaire is of robust construction and is IP rated to 66. This is the standard for Ingress Protection against foreign bodies and moisture. Details of which are found in BS4533
- The compact fluorescent lamp needs to have a lumen output of 1800 lumens for design compliance and a colour rendering index of RA80 or above.
- The colour temperature is 2700K.
- The lighting will need photocell control which will switch the luminaires on at dusk till dawn with a switching ratio of 70 lux 1:0.5. The photocell will need to be installed at a suitable location remote from the luminaires.
- All elements of safety, security, visual acuity and maintenance have been considered as part of the design process.
- The luminaire manufacturer is IGuzzini and their contact is Simon Meanwell 07899995910.



LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	A	10		IGuzzini wall mounted slim profile luminaire which throws light downward to minimise glare and spill light. The luminaire is positioned so its centre is at 1.3m high and its circular shape will reduce the opportunity for climbing.	Compact fluorescent lamp 26W G24q-3 2700 K. -DEL - Compact fluorescent. Luminaire is IP66 and has a K rating of 10. requires body moulding ordered separately to finish the the housing when wall mounted.	B577_1801.IE S	1800	0.68	28
	B	4		The existing luminaires on the station platform are shown for design purposes only and are to remain. They are mounted at 5m high post top and do not affect the bridge lighting.	ZXU1 SON-T+ 70	ZXU1_Dished Poly_1543_S ON-T+ 70_130#-20_990194TV.i es	6300	0.78	1

STATISTICS					
Description	Symbol	Avg	Max	Min	Min/Avg
bridge deck	+	28.2 lux	95.9 lux	2.8 lux	0.10
inside elevation of bridge wall	+	20.0 lux	46.1 lux	5.3 lux	0.27



LUMINAIRE LOCATIONS				
No.	Label	Location		
		Z	MH	Tilt
1	A	1.2	1.2	0.0
2	A	1.2	1.2	0.0
3	A	1.2	1.2	0.0
4	A	1.2	1.2	0.0
5	A	1.2	1.2	0.0
6	A	1.2	1.2	0.0
7	A	1.2	1.2	0.0
8	A	1.2	1.2	0.0
9	A	1.2	1.2	0.0
10	A	1.2	1.2	0.0
11	B	5.0	5.0	5.0
12	B	5.0	5.0	5.0
13	B	5.0	5.0	5.0
14	B	5.0	5.0	5.0

IGUZZINI COMFORT WALL MOUNTED LUMINAIRE



Outline lighting strategy

Warblington

Designer

Lorraine Calcott

Date

Aug 27 2012

Scale

as shown at A1

Drawing No.

LOR300512-42

REV -