

TECHNICAL SUBMISSION

Date:	18.10.21
To:	GMI Construction
FAO:	Roger Le Blanc (GMI)
Cc:	Paul McEntee (GMI) Ryan Gregory (TNA) Scott Wright (TNA)
Project:	Bottling Plant
Project Number:	E446
RFI Ref:	WIL_01_GUB3_5_BL_AA_XX_XX_XX_01_i
Revision:	01

Equipment/System:	External Lighting
Submission:	External lighting products
Details/Proposal:	The external lighting is controlled from the 3 number External Lighting feeder pillars located at strategic locations around the site. Lighting is fed via a photocell and time-clock arrangement with manual override located at the main reception. All external lighting is fed via a fully rewirable duct system and draw pits located to minimise cable runs.
Issued By:	Garry Carter
Approval/Comments required by:	01.11.21

Approval Status:	☐ A – Approved for Construction ☐ B – Proceed subject to Comments ☐ C – Rejected, do not proceed. Re-Issue for Comment
Repose By:	
Response Date:	



Vision

Vision is an industrial, professional LED floodlight with forward throw optics in a sleek low profile housing with a modern aesthetic.

- Slim die-cast aluminium housing, finned for optimised heat dissipation
- Gasket system ensuring IP66 protection
- Range of lumen outputs to 38,500lm
- Impact resistant tempered glass cover
- High efficiency lenses for tailored distribution in forward as standard
- 4000k
- 5 year warranty



PRODUCT CODES

Cat. No	Optic	Power (w)	Lumens	lm/cw	Weight (kg)	Length (mm)	Width (mm)	Height (mm)
VI50/55	Forward	50	6300	126.0	2.8	314	240	63
VI100/55	Forward	100	12900	129.0	3.9	418	330	77
VI150/55	Forward	150	19900	132.7	4.5	451	330	77
VI200/55	Forward	200	26400	132.0	6.3	494	395	87 X1
VI290/55	Forward	290	38500	132.8	9.5	567	465	97 X2 & X5

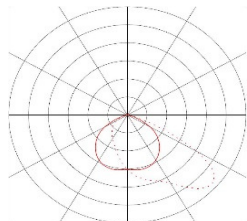
ACCESSORIES

Cat. No	Description
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PERFORMANCE

Photometric Data

Forward



Vista

Vista offers excellent performance and a range of outputs in a sleek low profile housing with a modern aesthetic.

- Die-cast aluminium housing, finned for optimised heat dissipation
- Dual gasket system ensuring IP66 protection
- Auto disconnect for safe maintenance
- Surge protection fitted as standard
- Range of lumen outputs to over 20,000lm
- 4mm toughened glass cover
- High efficiency lenses for tailored distribution in forward and roadway options as standard



PRODUCT CODES

Cat. No	Optic	Power (w)	Lumens	lm/cw	Weight (kg)	Length (mm)	Width (mm)	Height (mm)
VT36FW	Forward	36	4415	122.6	9.6	680	370	128
VT72FW	Forward	72	8830	122.6	9.8	680	370	128
VT108FW	Forward	108	13245	122.6	10.1	680	370	128 X7
VT143FW	Forward	143	17660	123.5	10.3	680	370	128 X9
VT178FW	Forward	178	22075	124.0	10.4	680	370	128 X4
VT36ST	Roadway	36	4530	125.8	9.6	680	370	128
VT72ST	Roadway	72	9060	125.8	9.8	680	370	128 X3
VT108ST	Roadway	108	13590	125.8	10.1	680	370	128 X6 & x8
VT143ST	Roadway	143	18115	126.7	10.3	680	370	128
VT178ST	Roadway	178	22650	127.2	10.4	680	370	128 X10

ACCESSORIES

Cat. No	Description
../PC	Photocell
../AD	AstroDim

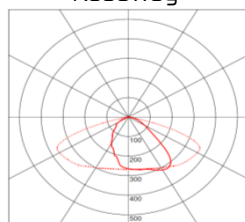
PERFORMANCE

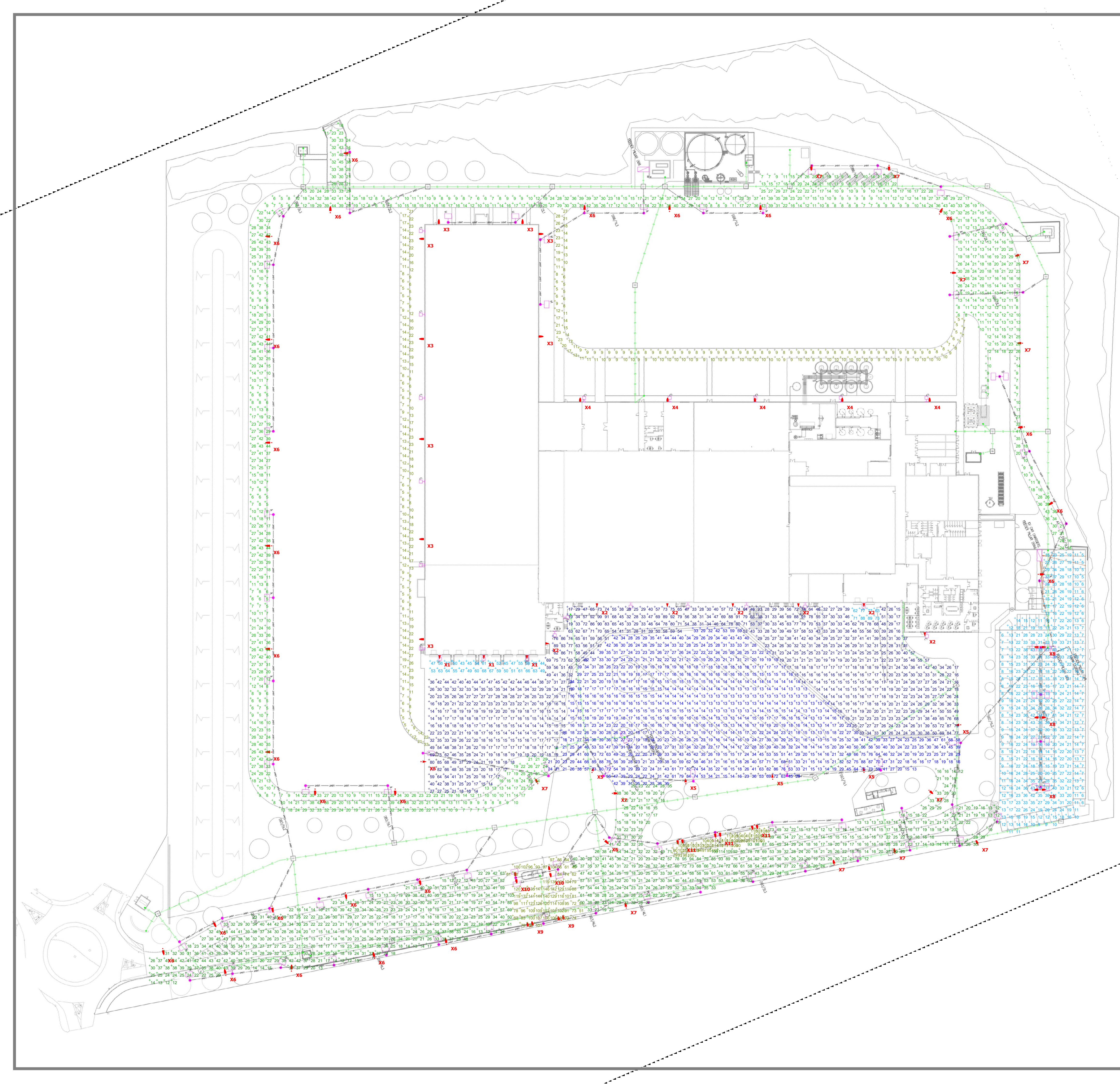
Photometric Data

Forward



Roadway





Schedule					
Symbol	Label	Quantity	Catalog Number	Description	Lamp
	X1	3	VIS200/S5	Vision Floodlight, asy, wall mounted at 10m	200w LED, 4000K
	X2	7	VIS290/S5	Vision Floodlight, asy, wall mounted at 10m	290w LED, 4000K
	X3	9	VT72ST	Vista Lantern, ST optic, wall mounted at 8m	72w LED, 4000K
	X4	5	VT178FW	Vista Lantern, FW optic, wall mounted at 8m	178w LED, 4000K
	X5	6	1 x VIS290/S5	1 x Vision Floodlight, asy, mounted on 10m column	290w LED, 4000K
	X6	27	1 x VT108ST	1 x Vista Lantern, ST optic, mounted on 8m column	108w LED, 4000K
	X7	12	1 x VT108FW	1 x Vista Lantern, FW optic, mounted on 8m column	108w LED, 4000K
	X8	3	2 x VT108ST	2 x Vista Lantern, ST optic, mounted on 8m column	108w LED, 4000K
	X9	2	2 x VT143FW	2 x Vista Lantern, FW optic, mounted on 8m column	143w LED, 4000K
	X10	2	2 x VT178ST	2 x Vista Lantern, ST optic, mounted on 8m column	178w LED, 4000K
	X11	3	2 x VT178FW	2 x Vista Lantern, FW optic, mounted on 8m column	178w LED, 4000K

Statistics					
Description	Symbol	Avg	Max	Min	Min/Avg
Car Park	+	20 lux	43 lux	5 lux	0.25
Gatehouse	+	101 lux	146 lux	49 lux	0.49
Goods Yard	+	33 lux	99 lux	14 lux	0.42
Loading Bays x2	+	75 lux	89 lux	62 lux	0.83
Loading Bays x9	+	55 lux	68 lux	43 lux	0.78
Lorry Park	+	26 lux	88 lux	13 lux	0.50
Main Access Road	+	30 lux	114 lux	12 lux	0.40
Perimeter Roadway and Circulation	+	19 lux	48 lux	5 lux	0.26
Temp Fire Road i	+	13 lux	33 lux	5 lux	0.38
Temp Fire Road ii	+	10 lux	28 lux	5 lux	0.50
Weighbridge	+	104 lux	119 lux	79 lux	0.76