

From: [Hilary Saunders](#)
To: [Planning](#)
Subject: FW: Application NYM/2018/0375/FL
Date: 28 June 2018 11:21:40
Attachments: [10002 lighting designs.pdf](#)
[10002-A-120-001.pdf](#)

From: Simon Banks
Sent: 28 June 2018 11:18
To: Hilary Saunders
Subject: Application NYM/2018/0375/FL

Hilary

Further to your letter ref NYM/2018/0375/FL, dated 21st June 2018, please find our response to the points raised

1. The proposed building will have very low energy requirements as it is an un-heated space with minimal lighting. Small power requirements are also minimal, limited to the mobile racking, dock leveller and door motors. The FLT charging indicated on the drawing is the sites existing facility, relocated into the new warehouse and will therefore not contribute to the additional energy consumption of the new extension.

* I have attached the lighting proposals for the extension which demonstrates the low energy usage of the lighting scheme (4.4 kW). It should also be noted that the lighting will have occupancy control in all areas, therefore further reducing the energy usage.

* In addition to the lighting there will be the following electric motors;

i. Mobile racking; 24nr 0.18kW motors (max of 12nr in operation at one time = 2.16kW)

ii. Auto doors; 2nr 0.37kW motors = 0.74kW

iii. Dock leveller; 1nr 1.1kW motor

1. Please find attached a copy of drawing 10002-A-120-001 detailing the existing and proposed site levels

2. The intention is for Whitby Seafoods to enter into a 'Design and Build' contract agreement with a main contractor to deliver the building. The main contractor will have the final design input on and sustainable drainage scheme and it will be their responsibility to ensure compliance with all planning conditions. We would therefore request that the requirement to provide a SUDS drainage proposal forms a condition of any future planning approval.

North Yorkshire County Council correspondence, dated 25/06/17

1. Please see item 3 above.

I hope that the aforementioned meets with your requirements and should you require any additional information, please do not hesitate in contacting me. Please note that I will be on annual leave from Friday 29th June until Tuesday 10th July.

Kind regards

Simon

Warehouse

Installation : Warehouse

Project number : 10002

Customer : Whitby Seafoods

Processed by : SDB

Date : 28.06.2018

AMENDED

NYMNPA

28/06/2018

The following values are based on exact calculations on calibrated lamps, luminaires and their arrangement. In practice, gradual divergences can occur.

Guarantee claims for luminaire data are excluded.

Relux and the luminaire manufacturers accept no liability for consequential damage and damage which is occasioned to the user or to third parties.

Object : Warehouse
Installation : Warehouse
Project number : 10002
Date : 28.06.2018



1 Luminaire data

1.1 JCC, ToughLED Weatherproof 5ft Twin... (JC71556FR)

1.1.1 Data sheet

Manufacturer: JCC



JC71556FR Ceiling mounted luminaire ToughLED Weatherproof 5ft Twin Frosted Diffuser

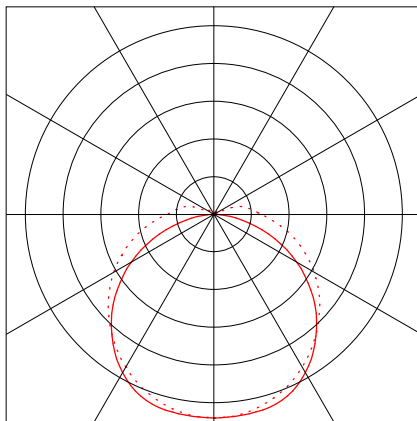
Luminaire data

Luminaire efficiency : 99.9%
Luminaire efficacy : 121.86 lm/W
Classification : A31 ↓92.6% ↑7.4%
CIE Flux Codes : 41 71 90 93 100
UGR 4H 8H : 22.5 / 27.1
Control gear : None
Power : 57 W
Luminous flux : 6946 lm

Equipped with

Quantity : 1
Designation : LED
Colour : 4000K
Luminous flux : 6953 lm
Colour reproduction : 80

Dimensions : 1510 mm x 100 mm x 33 mm



Object : Warehouse
Installation : Warehouse
Project number : 10002
Date : 28.06.2018

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1 Luminaire data

1.2 JCC, Toughbay High Output 150W 9... (JC71834/90MW)

1.2.1 Data sheet

Manufacturer: JCC



JC71834/90MW Pendant luminaire Toughbay High Output 150W 90° Beam
Toughbay High Output 150W 90° Beam Microwave dimmable
<http://www.jcc.co.uk/lighting/toughbay-circular-150w/>

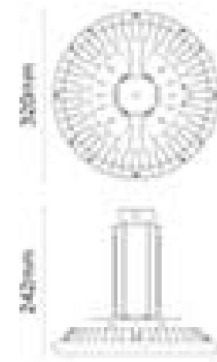
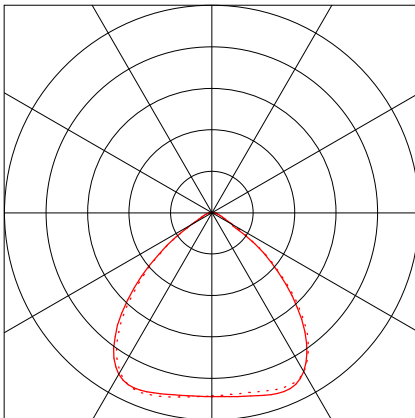
Luminaire data

Luminaire efficiency : 99.9%
Luminaire efficacy : 141.6 lm/W
Classification : A50 ↓100.0% ↑0.0%
CIE Flux Codes : 67 94 99 100 100
UGR 4H 8H : 27.6 / 27.5
Control gear : None
Power : 150 W
Luminous flux : 21240.7 lm

Equipped with

Quantity : 1
Designation : Philips LED
Colour : 5700K
Luminous flux : 21262 lm
Colour reproduction : 80

Dimensions : Ø360 mm x 313 mm



Object : Warehouse
Installation : Warehouse
Project number : 10002
Date : 28.06.2018

1 Luminaire data

1.3 JCC, Skytile LED Panel 600x600 36W 3000k (JC71353)

1.3.1 Data sheet

Manufacturer: JCC



JC71353 Recessed luminaire Skytile LED Panel 600x600 36W 3000k
Skytile IP44 LED Panel & Driver 600 x 600 36W 3500lm 3000K
<http://www.jcc.co.uk/lighting/skytile-36w/>

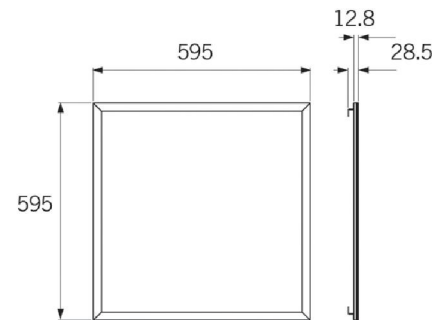
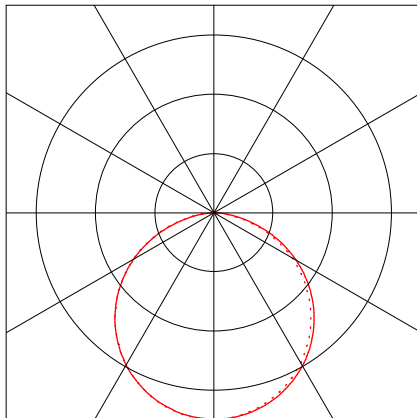
Luminaire data

Absolute Photometry
Luminaire efficacy : 97.31 lm/W
Classification : A40 ↓99.9% ↑0.1%
CIE Flux Codes : 47 79 96 100 100
UGR 4H 8H : 21.1 / 21.1
Control gear : None
Power : 36.1 W
Luminous flux : 3513 lm

Equipped with

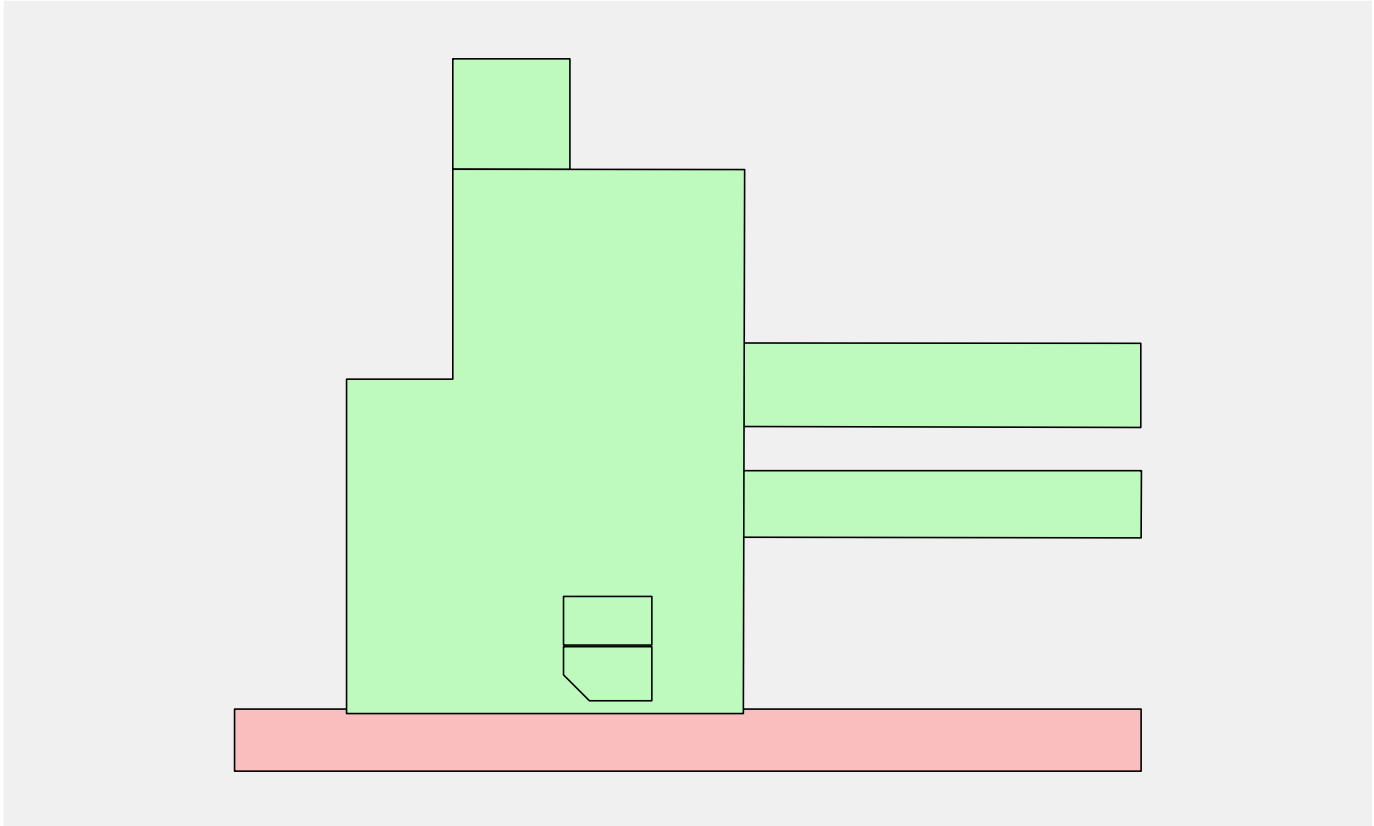
Quantity : 1
Designation : LED
Colour :
Socket : --

Dimensions : 595 mm x 595 mm x 0.0 mm



Summary, Floor 1

.1 Floor overview

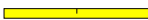




Number of rooms	7
Total area	1025 m ²
Number of luminaires	43
Total luminous flux of all lamps	600566 lm
Total power	4422.8 W
Total power per area	4.32 W/m ²

█ Nominal values met
█ Nominal values not met

Parts list

Type No. | Make

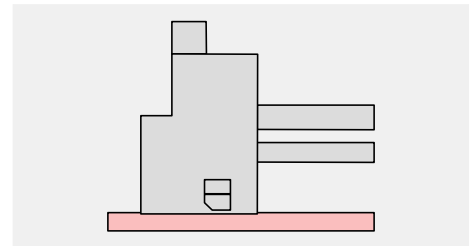
		JCC	
1	12	Order No.	: JC71556FR
		Luminaire name	: ToughLED Weatherproof 5ft Twin Frosted Diffuser
		Equipment	: 1 x LED 57 W / 6953 lm
2	23	Order No.	: JC71834/90MW
		Luminaire name	: Toughbay High Output 150W 90° Beam
		Equipment	: 1 x Philips LED 150 W / 21262 lm
3	8	Order No.	: JC71353
		Luminaire name	: Skytile LED Panel 600x600 36W 3000k
		Equipment	: 1 x LED 36.1 W / 3513 lm

Summary, Floor 1

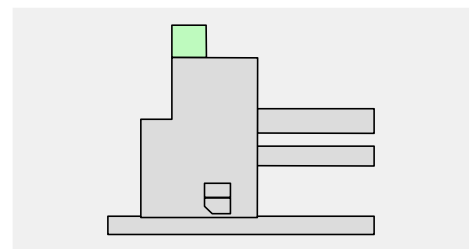
.1 Floor overview

Rooms

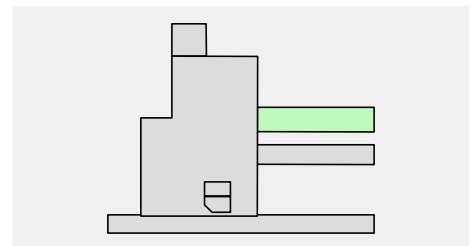
Link corridor	12 x Luminaires
Total luminous flux of all lamps	83436 lm
Total power	684 W
Total power per area (174 m ²)	3.94 W/m ²
Em	214 lx (>= 300 lx)
Emin	152 lx
Emin/Eav (Uo)	0.71 (>= 0.60)
UGR	<=25.9 (< 25.00)



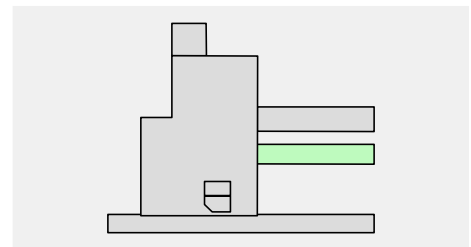
Loading dock	1 x Luminaires
Total luminous flux of all lamps	21262 lm
Total power	150 W
Total power per area (40 m ²)	3.75 W/m ²
Em	307 lx (>= 300 lx)
Emin	218 lx
Emin/Eav (Uo)	0.71 (>= 0.60)
UGR	<=27.2 (< 25.00)



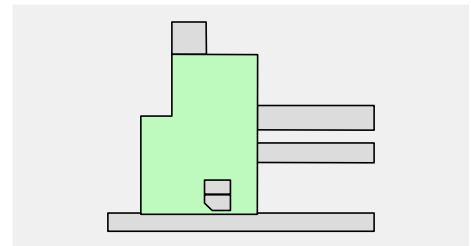
Isle 1	4 x Luminaires
Total luminous flux of all lamps	85048 lm
Total power	600 W
Total power per area (103 m ²)	5.84 W/m ²
Em	222 lx (>= 200 lx)
Emin	154 lx
Emin/Eav (Uo)	0.69 (>= 0.40)
UGR	<=27.2



Isle 2	4 x Luminaires
Total luminous flux of all lamps	85048 lm
Total power	600 W
Total power per area (82 m ²)	7.29 W/m ²
Em	220 lx (>= 200 lx)
Emin	150 lx
Emin/Eav (Uo)	0.68 (>= 0.40)
UGR	<=27.2



Warehouse	14 x Luminaires
Total luminous flux of all lamps	297668 lm
Total power	2100 W
Total power per area (599 m ²)	3.50 W/m ²
Em	317 lx (>= 300 lx)
Emin	190 lx
Emin/Eav (Uo)	0.60 (>= 0.60)
UGR	<=27.3 (< 25.00)



Object : Warehouse
Installation : Warehouse
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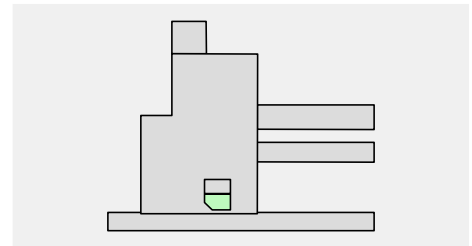
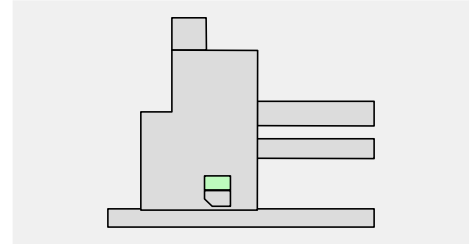


Summary, Floor 1

.1 Floor overview

Warehouse manager	4 x Luminaires
Total luminous flux of all lamps	14052 lm
Total power	144.4 W
Total power per area (13 m ²)	10.91 W/m ²
Em	540 lx (≥ 500 lx)
Emin	461 lx
Emin/Eav (Uo)	0.85 (≥ 0.60)
UGR	≤ 18.8 (< 19.00)

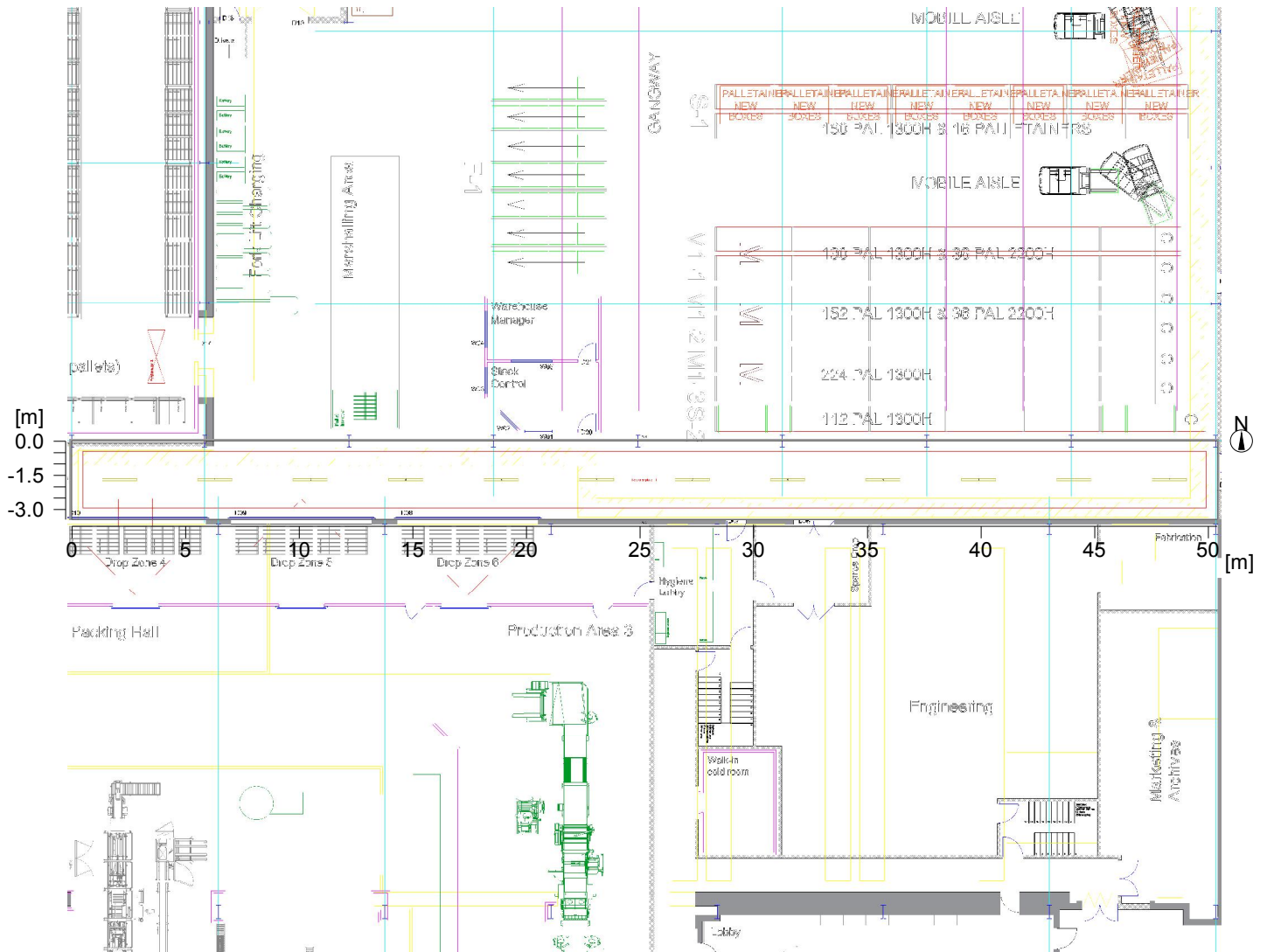
Stock control	4 x Luminaires
Total luminous flux of all lamps	14052 lm
Total power	144.4 W
Total power per area (14 m ²)	10.57 W/m ²
Em	522 lx (≥ 500 lx)
Emin	459 lx
Emin/Eav (Uo)	0.88 (≥ 0.60)
UGR	≤ 18.8 (< 19.00)



1 Link corridor

1.1 Description, Link corridor

1.1.1 Floor plan

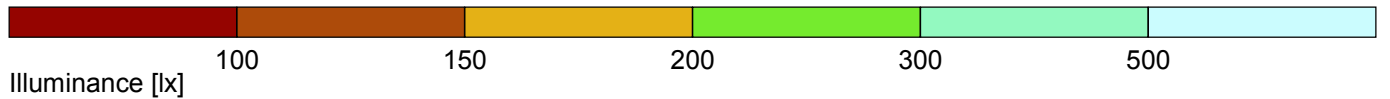
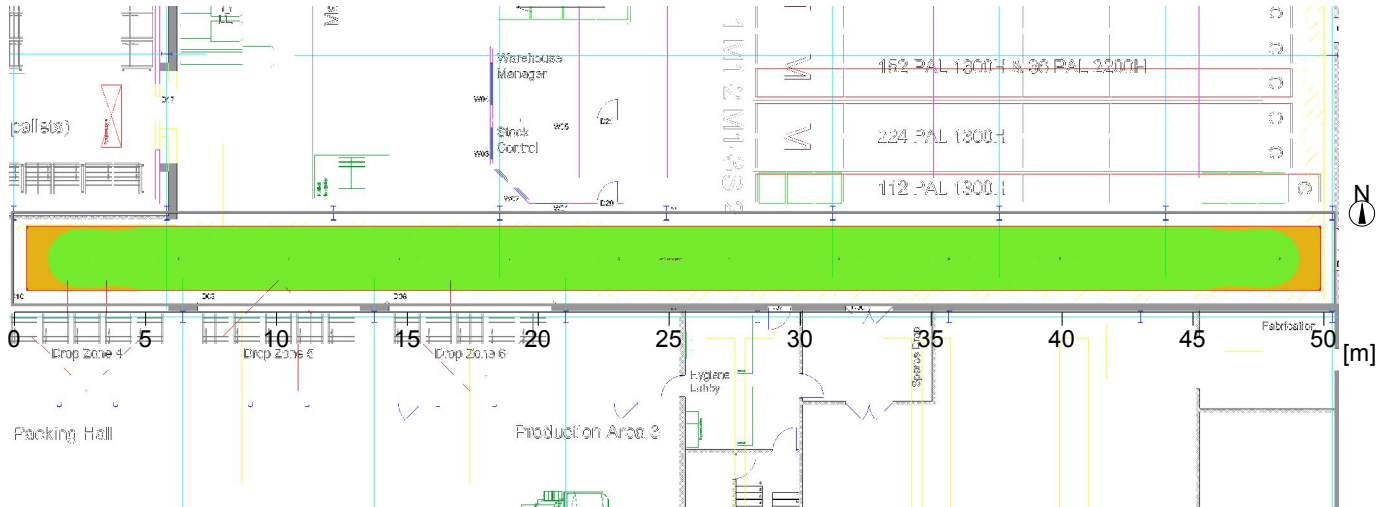


Wall	x	y	Length	Reflectance
1	98.86 m	69.84 m	3.44 m	50.0 %
2	149.25 m	69.84 m	50.38 m	50.0 %
3	149.25 m	73.28 m	3.44 m	50.0 %
4	98.86 m	73.28 m	50.38 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		4.30 m		
Height of ref. plane		0.75 m		

1 Link corridor

1.2 Summary, Link corridor

1.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	4.30 m
Maintenance factor	0.80
Total luminous flux of all lamps	83436.00 lm
Total power	684.0 W
Total power per area (173.57 m ²)	3.94 W/m ² (1.84 W/m ² /100lx)

Evaluation area 1

User profile

Reference plane 1.1

General areas inside buildings - Store rooms, cold stores
 5.4.2 (EN 12464-1, 8.2011) Dispatch packing handling areas (Ra >60.00)
 Horizontal

Em	214 lx	(≥ 300 lx)
Emin	152 lx	
Emin/Eav (Uo)	0.71	(≥ 0.60)
Emin/Emax (Ud)	0.64	
UGR (1.1H 16.3H)	≤25.9	(< 25.00)
Position	0.75 m	

Major surfaces

	Em		Uo	
M 1.5 (Ceiling)	108 lx	(≥ 30 lx)	0.55	(≥ 0.10)
M 1.1 (Wall)	157 lx	(≥ 50 lx)	0.66	(≥ 0.10)
M 1.2 (Wall)	156 lx	(≥ 50 lx)	0.54	(≥ 0.10)
M 1.3 (Wall)	156 lx	(≥ 50 lx)	0.66	(≥ 0.10)
M 1.4 (Wall)	156 lx	(≥ 50 lx)	0.54	(≥ 0.10)

Object : Warehouse
Installation : Warehouse
Project number : 10002
Date : 28.06.2018



1 Link corridor

1.2 Summary, Link corridor

1.2.1 Result overview, Evaluation area 1

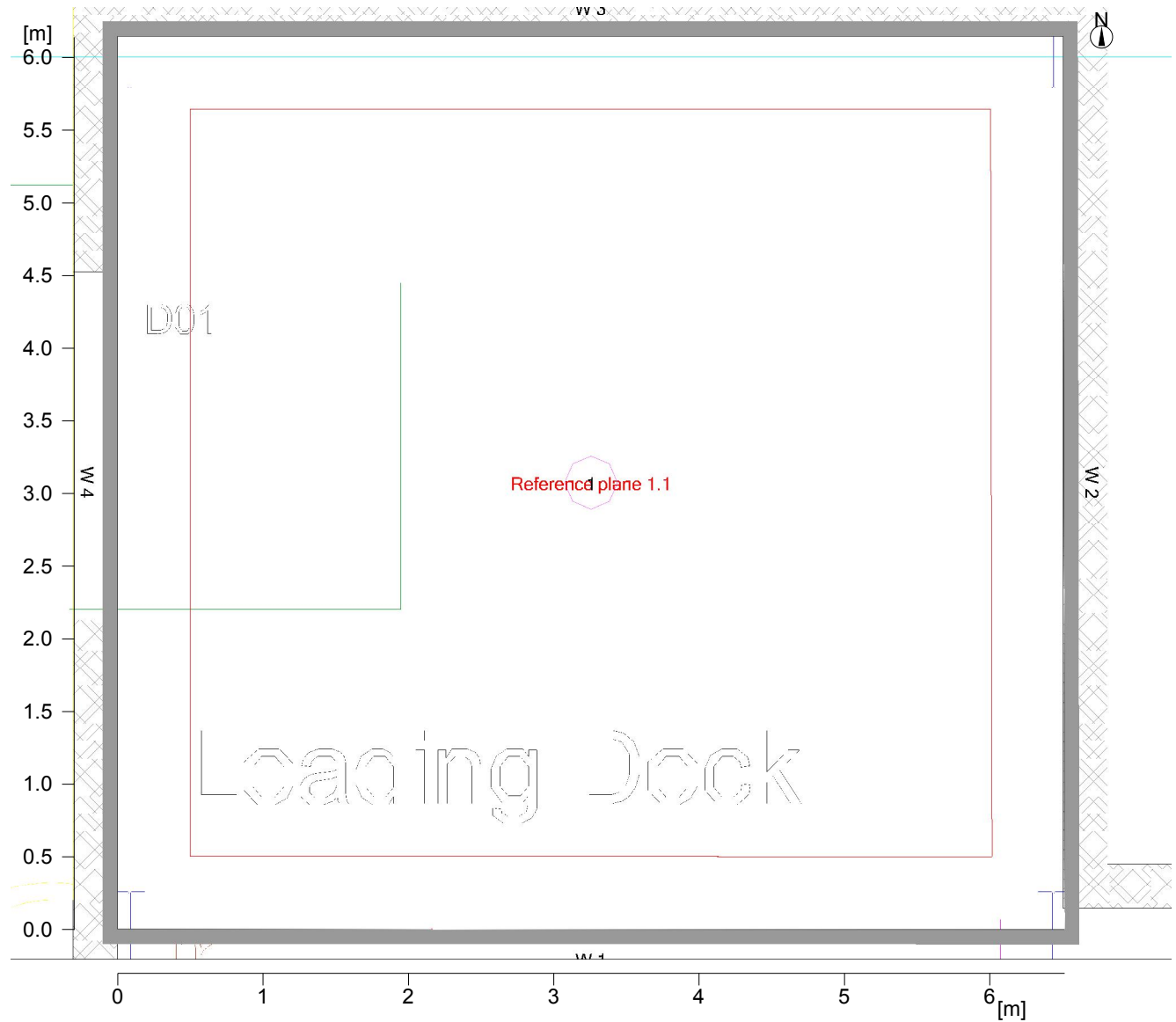
Type No.\Make

1	12	JCC	
		Order No.	: JC71556FR
		Luminaire name	: ToughLED Weatherproof 5ft Twin Frosted Diffuser
		Equipment	: 1 x LED 57 W / 6953 lm

2 Loading dock

2.1 Description, Loading dock

2.1.1 Floor plan

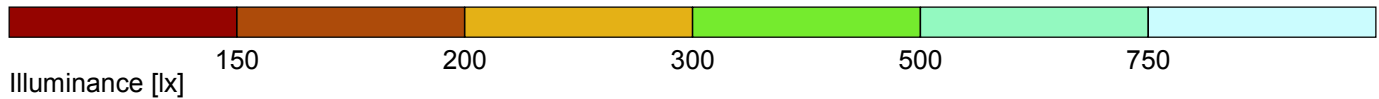
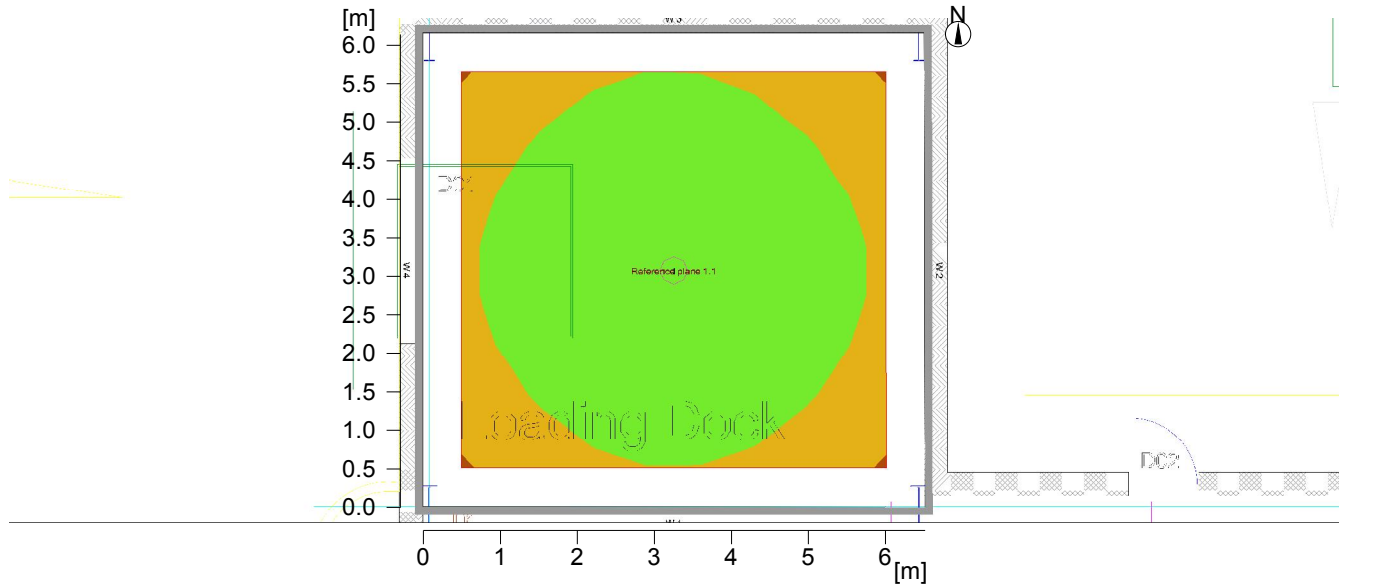


Wall	x	y	Length	Reflectance
1	117.50 m	103.28 m	6.52 m	50.0 %
2	117.49 m	109.42 m	6.14 m	50.0 %
3	110.98 m	109.42 m	6.50 m	50.0 %
4	110.98 m	103.28 m	6.14 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		6.20 m		
Height of ref. plane		----		

2 Loading dock

2.2 Summary, Loading dock

2.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	5.70 m
Maintenance factor	0.80
Total luminous flux of all lamps	21262.00 lm
Total power	150.0 W
Total power per area (39.98 m ²)	3.75 W/m ² (1.22 W/m ² /100lx)

Evaluation area 1

User profile	Reference plane 1.1
	General areas inside buildings - Store rooms, cold stores
	5.4.2 (EN 12464-1, 8.2011) Dispatch packing handling areas (Ra >60.00)
	Horizontal
Em	307 lx (>= 300 lx)
Emin	218 lx
Emin/Eav (Uo)	0.71 (>= 0.60)
Emin/Emax (Ud)	0.59
UGR (2.0H 2.0H)	<=27.2 (< 25.00)
Position	0.75 m (rot: 0°/0.02°)

Major surfaces

	Em		Uo	
M 1.5 (Ceiling)	42 lx	(>= 30 lx)	0.78	(>= 0.10)
M 1.1 (Wall)	117 lx	(>= 50 lx)	0.26	(>= 0.10)
M 1.2 (Wall)	112 lx	(>= 50 lx)	0.27	(>= 0.10)
M 1.3 (Wall)	117 lx	(>= 50 lx)	0.26	(>= 0.10)
M 1.4 (Wall)	111 lx	(>= 50 lx)	0.28	(>= 0.10)

Object : Warehouse
Installation : Warehouse
Project number : 10002
Date : 28.06.2018


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2 Loading dock

2.2 Summary, Loading dock

2.2.1 Result overview, Evaluation area 1

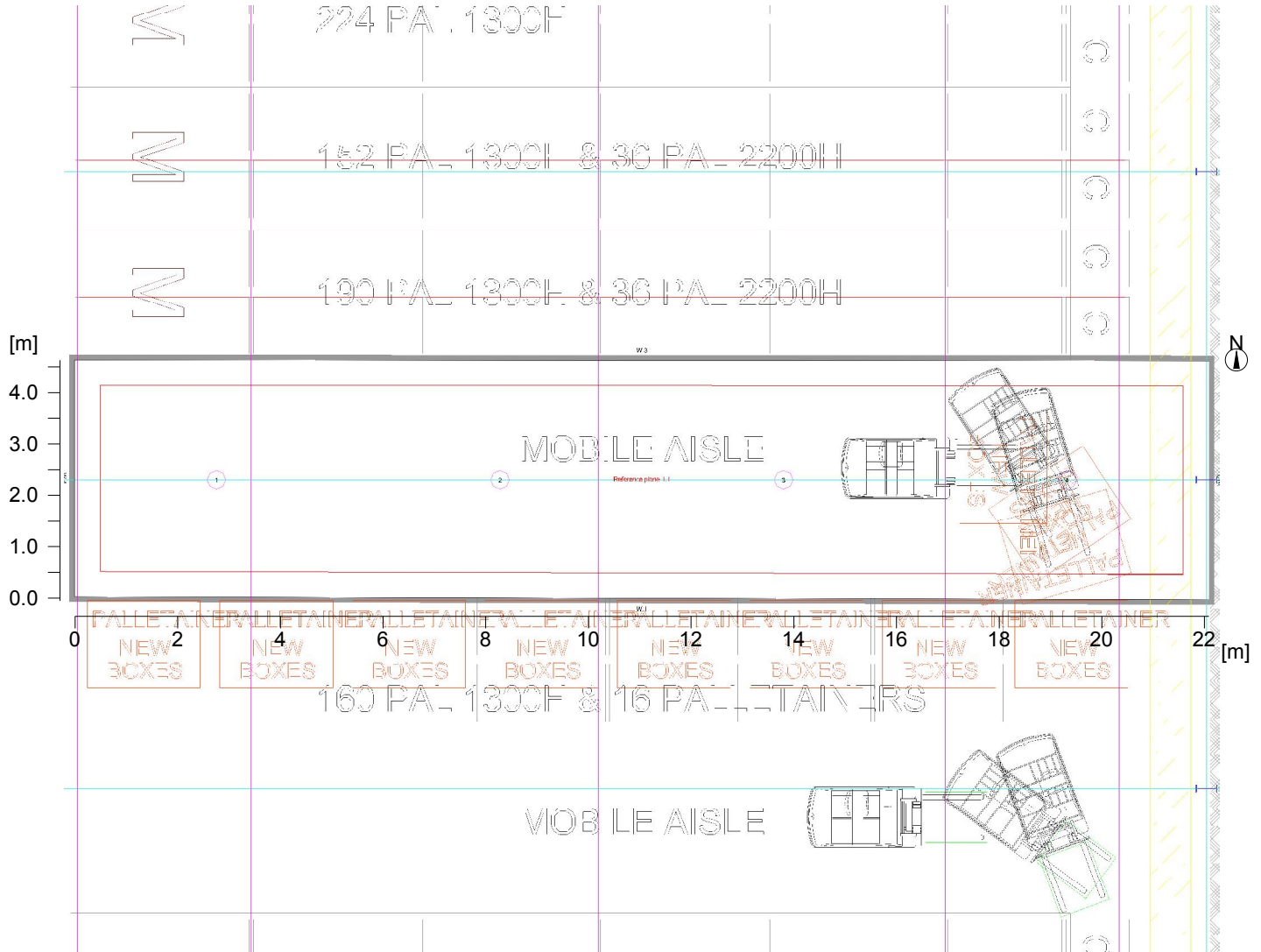
Type No.\Make

2	1	JCC	
		Order No.	: JC71834/90MW
		Luminaire name	: Toughbay High Output 150W 90° Beam
		Equipment	: 1 x Philips LED 150 W / 21262 lm

3 Isle 1

3.1 Description, Isle 1

3.1.1 Floor plan



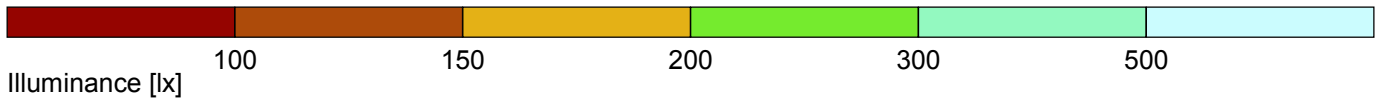
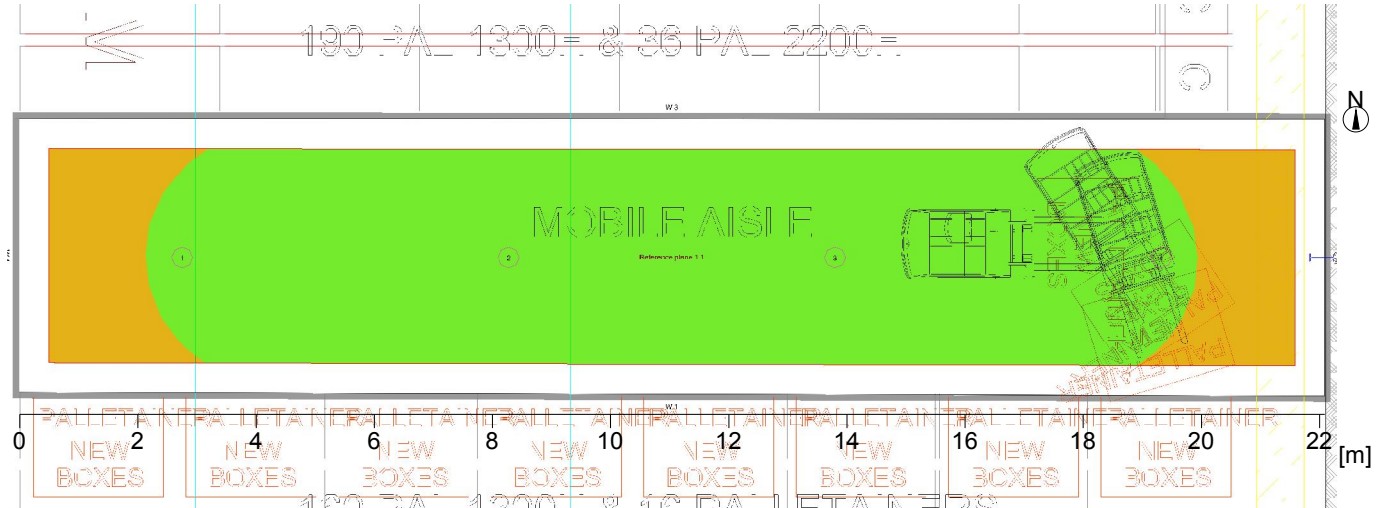
Wall	x	y	Length	Reflectance
1	149.23 m	88.94 m	22.09 m	50.0 %
2	149.23 m	93.61 m	4.67 m	50.0 %
3	127.14 m	93.62 m	22.09 m	50.0 %
4	127.14 m	89.00 m	4.63 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		11.50 m		
Height of ref. plane		0.75 m		

Object : Warehouse
 Installation : Warehouse
 Project number : 10002
 Date : 28.06.2018

3 Isle 1

3.2 Summary, Isle 1

3.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	11.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	85048.00 lm
Total power	600.0 W
Total power per area (102.68 m ²)	5.84 W/m ² (2.63 W/m ² /100lx)

Evaluation area 1

User profile

Reference plane 1.1

General areas inside buildings - Storage rack areas
 5.5.4 (EN 12464-1, 8.2011) Storage rack face (Ra >60.00)
 Horizontal

Em	222 lx	(>= 200 lx)
Emin	154 lx	
Emin/Eav (Uo)	0.69	(>= 0.40)
Emin/Emax (Ud)	0.60	
UGR (0.5H 2.3H)	<=27.2	
Position	0.75 m	

Major surfaces

	Em		Uo	
M 1.5 (Ceiling)	68 lx	(>= 30 lx)	0.70	(>= 0.10)
M 1.1 (Wall)	164 lx	(>= 50 lx)	0.37	(>= 0.10)
M 1.2 (Wall)	152 lx	(>= 50 lx)	0.31	(>= 0.10)
M 1.3 (Wall)	164 lx	(>= 50 lx)	0.37	(>= 0.10)
M 1.4 (Wall)	152 lx	(>= 50 lx)	0.32	(>= 0.10)

Object : Warehouse
Installation : Warehouse
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


3 Isle 1

3.2 Summary, Isle 1

3.2.1 Result overview, Evaluation area 1

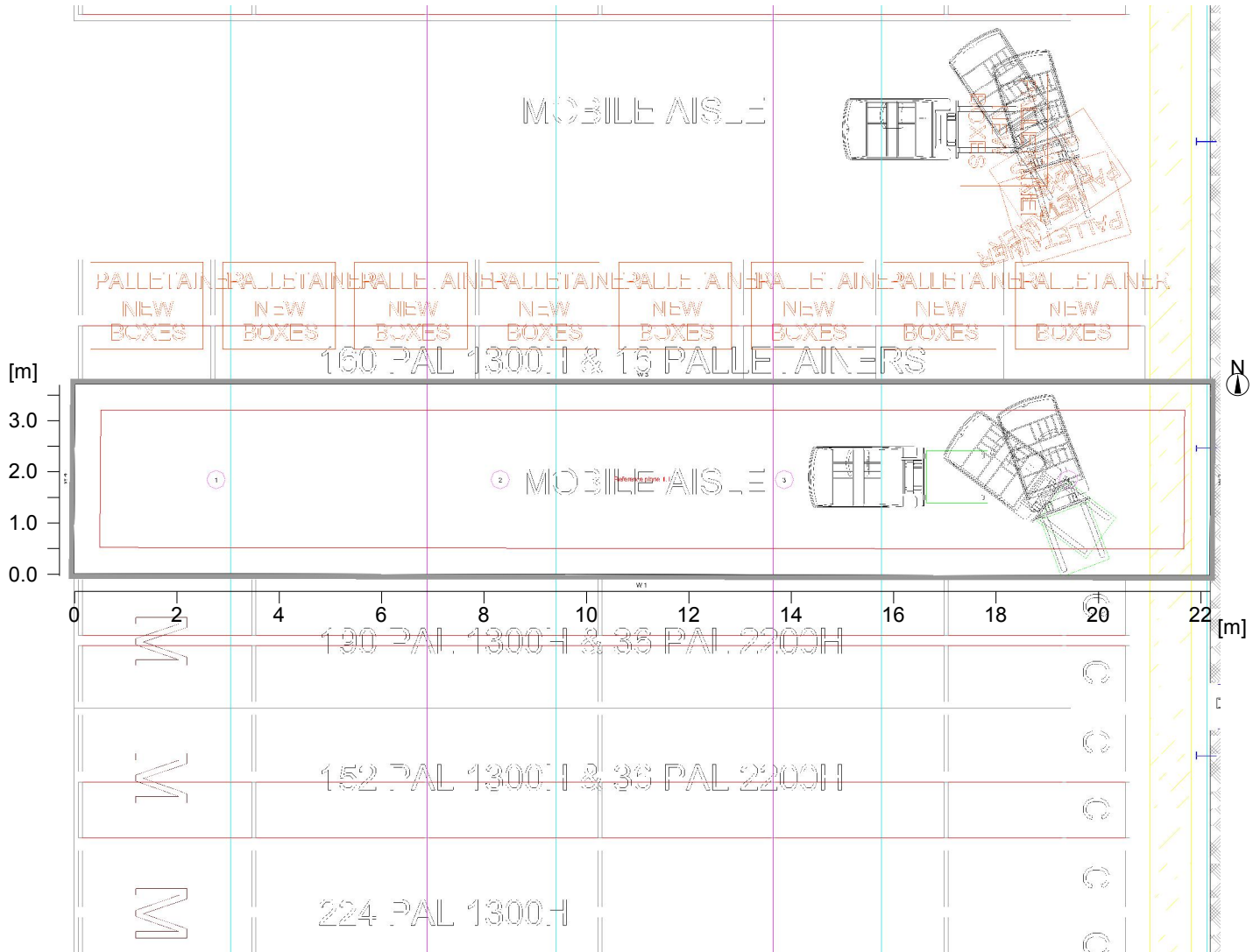
Type No.\Make

2	4	JCC	
		Order No.	: JC71834/90MW
		Luminaire name	: Toughbay High Output 150W 90° Beam
		Equipment	: 1 x Philips LED 150 W / 21262 lm

4 Isle 2

4.1 Description, Isle 2

4.1.1 Floor plan

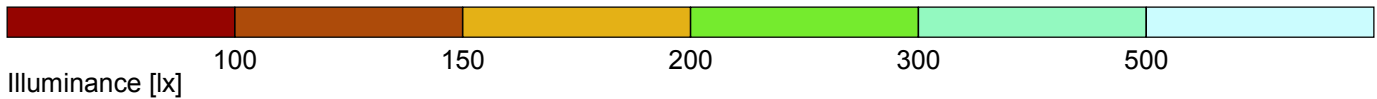
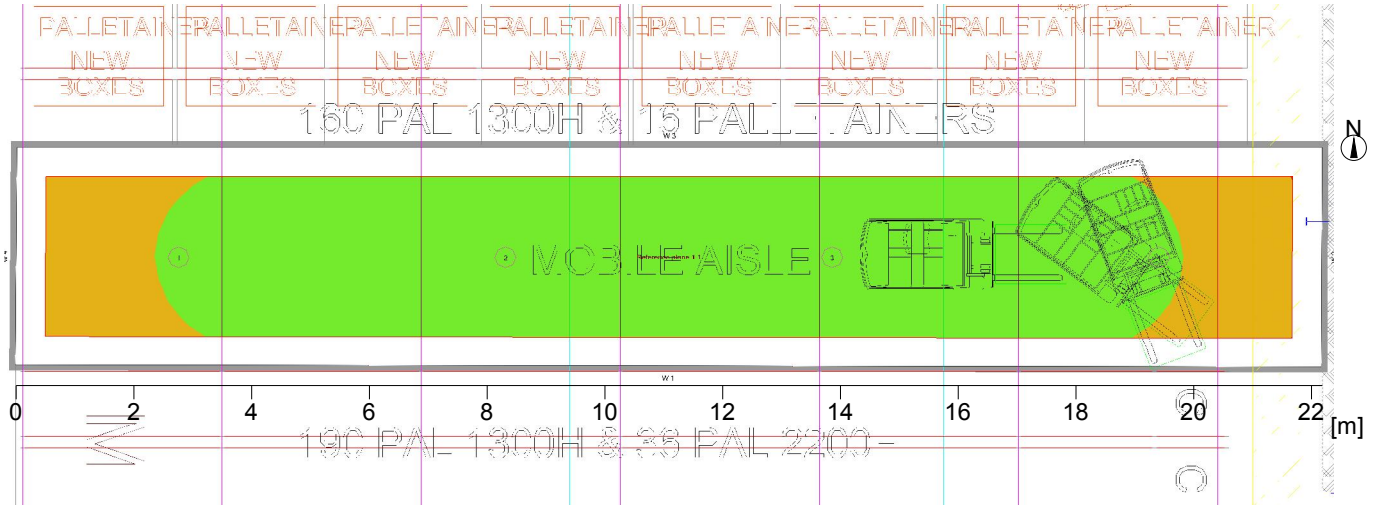


Wall	x	y	Length	Reflectance
1	149.24 m	82.80 m	22.17 m	50.0 %
2	149.25 m	86.54 m	3.73 m	50.0 %
3	127.10 m	86.54 m	22.16 m	50.0 %
4	127.07 m	82.84 m	3.70 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		11.50 m		
Height of ref. plane		0.75 m		

4 Isle 2

4.2 Summary, Isle 2

4.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	11.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	85048.00 lm
Total power	600.0 W
Total power per area (82.33 m²)	7.29 W/m² (3.31 W/m²/100lx)

Evaluation area 1

User profile

Reference plane 1.1

General areas inside buildings - Storage rack areas
 5.5.4 (EN 12464-1, 8.2011) Storage rack face (Ra >60.00)
 Horizontal

Em	220 lx	(≥ 200 lx)
Emin	150 lx	
Emin/Eav (Uo)	0.68	(≥ 0.40)
Emin/Emax (Ud)	0.59	
UGR (0.4H 2.3H)	<=27.2	
Position	0.75 m	

Major surfaces

	Em		Uo	
M 1.5 (Ceiling)	81 lx	(≥ 30 lx)	0.69	(≥ 0.10)
M 1.1 (Wall)	184 lx	(≥ 50 lx)	0.34	(≥ 0.10)
M 1.2 (Wall)	163 lx	(≥ 50 lx)	0.35	(≥ 0.10)
M 1.3 (Wall)	183 lx	(≥ 50 lx)	0.34	(≥ 0.10)
M 1.4 (Wall)	164 lx	(≥ 50 lx)	0.36	(≥ 0.10)

Object : Warehouse
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


4 Isle 2

4.2 Summary, Isle 2

4.2.1 Result overview, Evaluation area 1

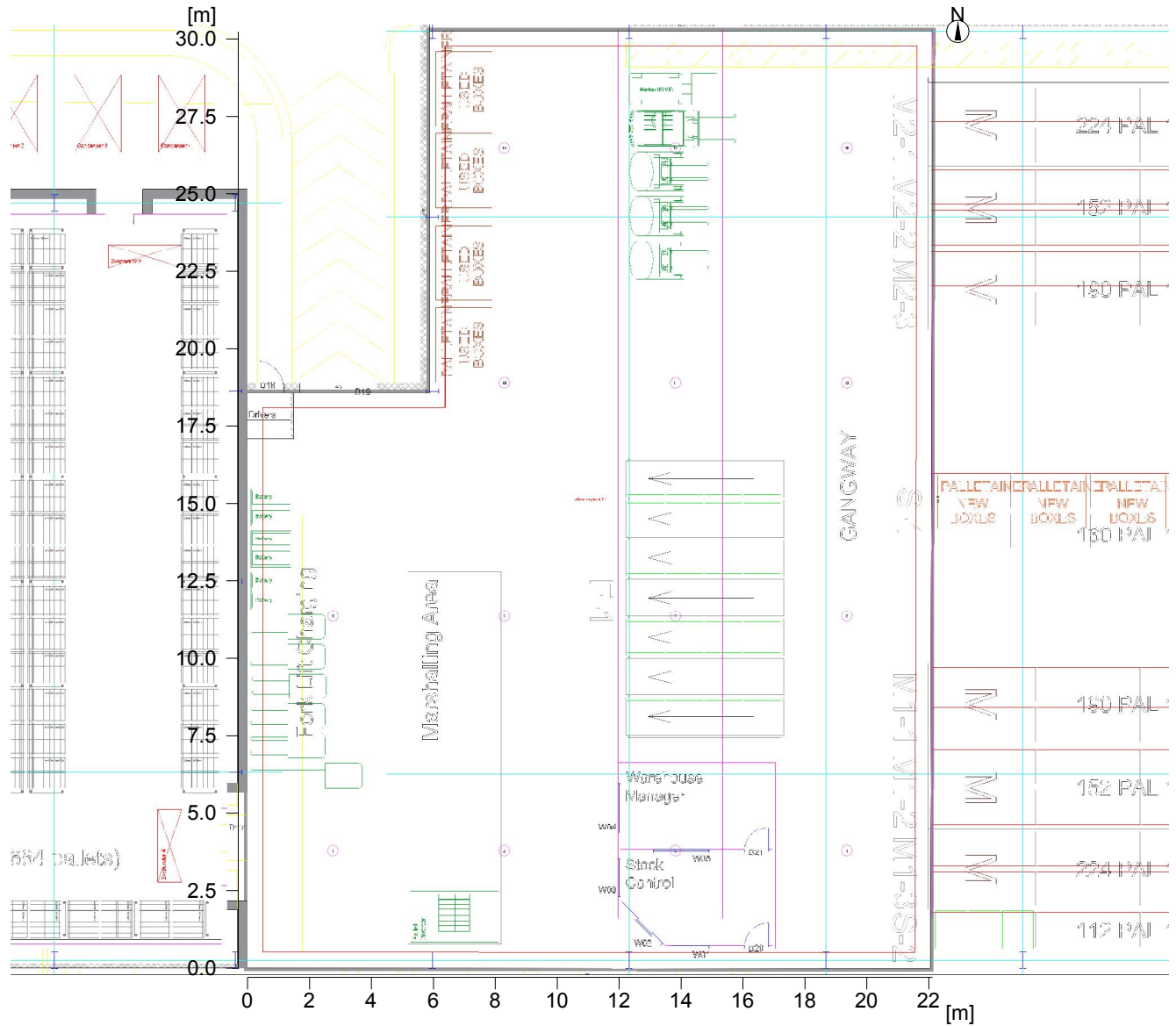
Type No.\Make

2	4	JCC	
		Order No.	: JC71834/90MW
		Luminaire name	: Toughbay High Output 150W 90° Beam
		Equipment	: 1 x Philips LED 150 W / 21262 lm

5 Warehouse

5.1 Description, Warehouse

5.1.1 Floor plan

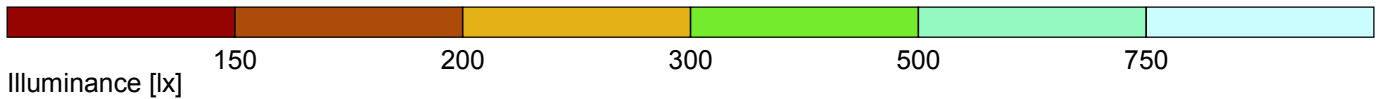
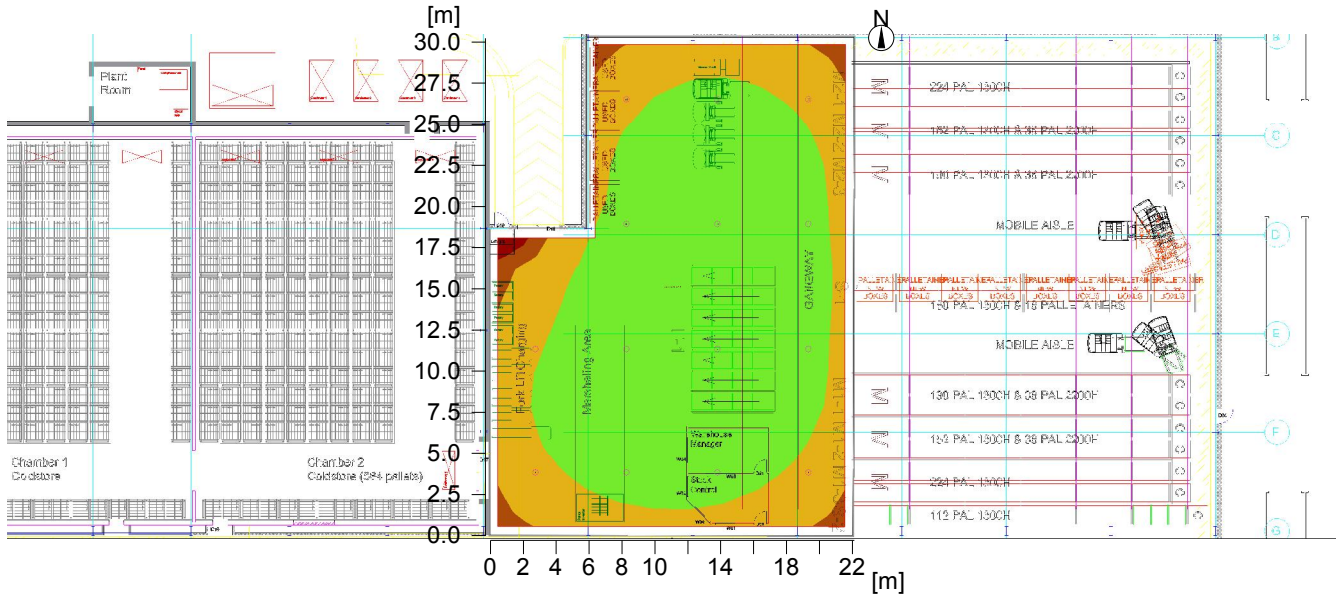


Wall	x	y	Length	Reflectance
1	127.14 m	73.03 m	22.05 m	50.0 %
2	127.21 m	103.28 m	30.25 m	50.0 %
3	110.98 m	103.28 m	16.23 m	50.0 %
4	110.98 m	91.61 m	11.67 m	50.0 %
5	105.09 m	91.61 m	5.89 m	50.0 %
6	105.09 m	73.04 m	18.57 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		11.50 m		
Height of ref. plane		----		

5 Warehouse

5.2 Summary, Warehouse

5.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	11.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	297668.00 lm
Total power	2100.0 W
Total power per area (599.23 m ²)	3.50 W/m ² (1.11 W/m ² /100lx)

Evaluation area 1

User profile

Reference plane 1.1

General areas inside buildings - Store rooms, cold stores
 5.4.2 (EN 12464-1, 8.2011) Dispatch packing handling areas (Ra >60.00)
 Horizontal

Em	317 lx	(≥ 300 lx)
Emin	190 lx	
Emin/Eav (Uo)	0.60	(≥ 0.60)
Emin/Emax (Ud)	0.48	
UGR (2.3H 3.1H)	≤27.3	(< 25.00)
Position	0.75 m (rot: 0°/0.03°)	

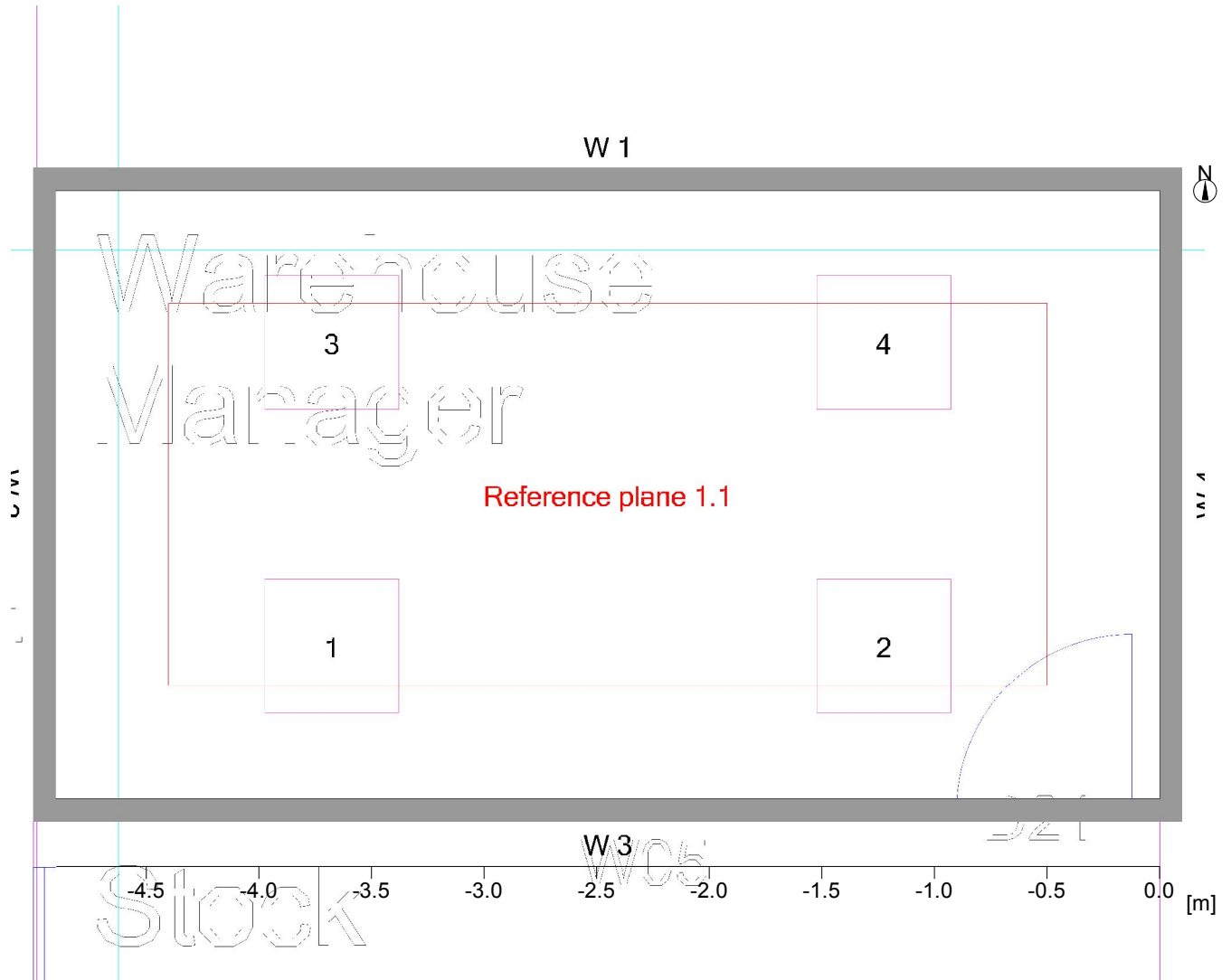
Major surfaces

	Em		Uo	
M 1.7 (Ceiling)	61 lx	(≥ 30 lx)	0.68	(≥ 0.10)
M 1.1 (Wall)	137 lx	(≥ 50 lx)	0.31	(≥ 0.10)
M 1.2 (Wall)	146 lx	(≥ 50 lx)	0.30	(≥ 0.10)
M 1.3 (Wall)	137 lx	(≥ 50 lx)	0.35	(≥ 0.10)
M 1.4 (Wall)	149 lx	(≥ 50 lx)	0.29	(≥ 0.10)
M 1.5 (Wall)	79 lx	(≥ 50 lx)	0.43	(≥ 0.10)

6 Warehouse manager

6.1 Description, Warehouse manager

6.1.1 Floor plan

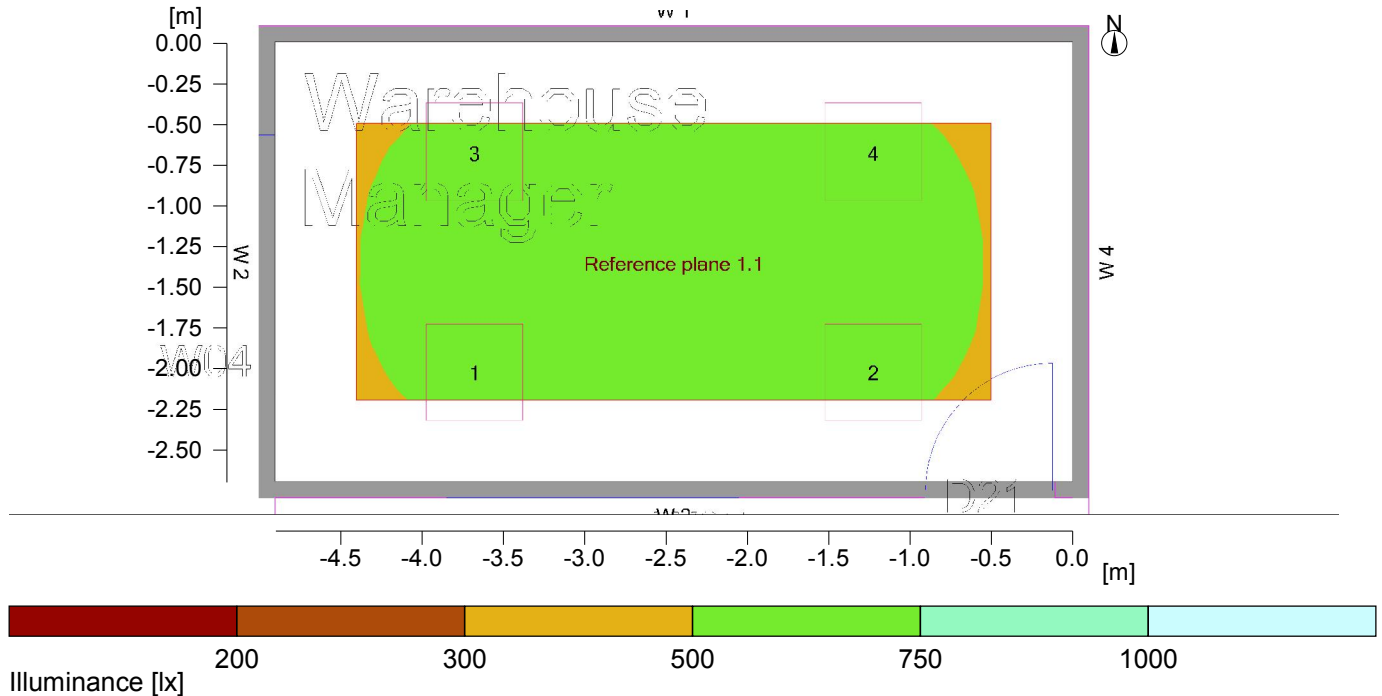


Wall	x	y	Length	Reflectance
1	117.14 m	79.55 m	4.90 m	50.0 %
2	117.14 m	76.85 m	2.70 m	50.0 %
3	122.04 m	76.85 m	4.90 m	50.0 %
4	122.04 m	79.55 m	2.70 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.80 m		
Height of ref. plane		0.75 m		

6 Warehouse manager

6.2 Summary, Warehouse manager

6.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	2.80 m
Maintenance factor	0.80
Total luminous flux of all lamps	14052.00 lm
Total power	144.4 W
Total power per area (13.23 m ²)	10.91 W/m ² (2.02 W/m ² /100lx)

Evaluation area 1

User profile	Offices
	5.26.2 (EN 12464-1, 8.2011) Writing, typing, reading, data processing (Ra >80.00)
	Horizontal
Em	540 lx (>= 500 lx)
Emin	461 lx
Emin/Eav (Uo)	0.85 (>= 0.60)
Emin/Emax (Ud)	0.79
UGR (1.7H 3.1H)	<=18.8 (< 19.00)
Position	0.75 m

Major surfaces

	Em		Uo	
M 1.5 (Ceiling)	137 lx	(>= 30 lx)	0.94	(>= 0.10)
M 1.1 (Wall)	359 lx	(>= 50 lx)	0.62	(>= 0.10)
M 1.2 (Wall)	343 lx	(>= 50 lx)	0.73	(>= 0.10)
M 1.3 (Wall)	363 lx	(>= 50 lx)	0.62	(>= 0.10)
M 1.4 (Wall)	336 lx	(>= 50 lx)	0.73	(>= 0.10)

Object : Warehouse
Installation : Warehouse
Project number : 10002
Date : 28.06.2018

RELUX[®]

6 Warehouse manager

6.2 Summary, Warehouse manager

6.2.1 Result overview, Evaluation area 1

Type No.\Make

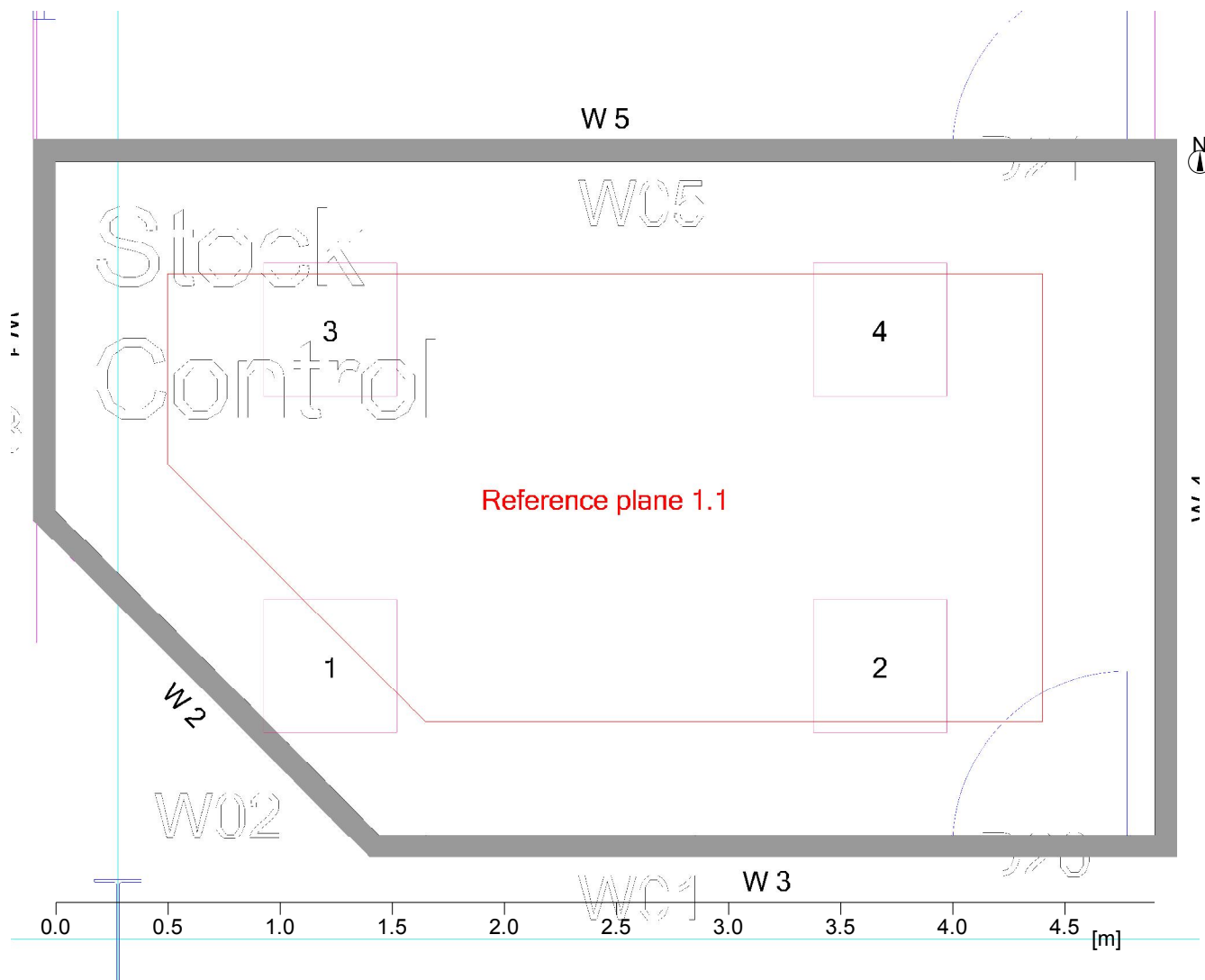
3	4	JCC	
		Order No.	: JC71353
		Luminaire name	: Skytile LED Panel 600x600 36W 3000k
		Equipment	: 1 x LED 36.1 W / 3513 lm



7 Stock control

7.1 Description, Stock control

7.1.1 Floor plan

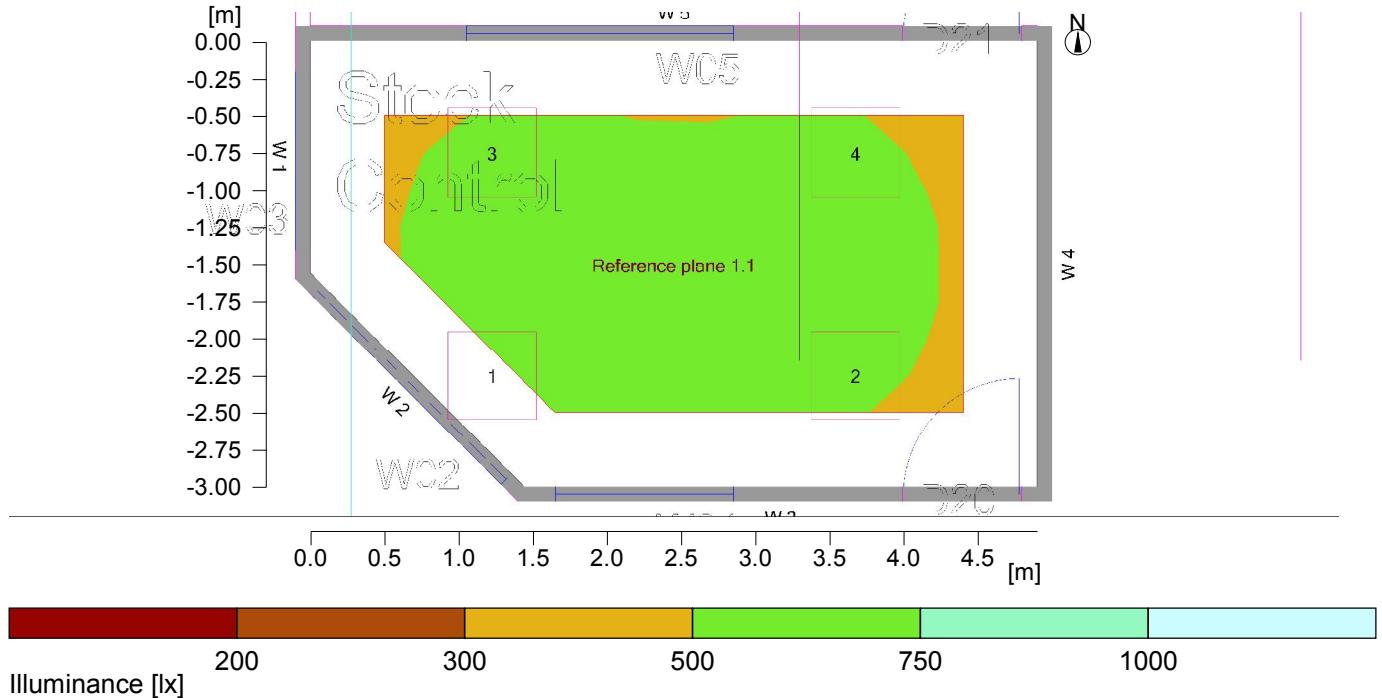


Wall	x	y	Length	Reflectance
1	117.14 m	75.19 m	1.56 m	50.0 %
2	118.58 m	73.75 m	2.04 m	50.0 %
3	122.04 m	73.75 m	3.46 m	50.0 %
4	122.04 m	76.75 m	3.00 m	50.0 %
5	117.14 m	76.75 m	4.90 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.80 m		
Height of ref. plane		0.75 m		

7 Stock control

7.2 Summary, Stock control

7.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	2.80 m
Maintenance factor	0.80
Total luminous flux of all lamps	14052.00 lm
Total power	144.4 W
Total power per area (13.66 m ²)	10.57 W/m ² (2.02 W/m ² /100lx)

Evaluation area 1

User profile	Offices
	5.26.2 (EN 12464-1, 8.2011) Writing, typing, reading, data processing (Ra >80.00)
	Horizontal
Em	522 lx (>= 500 lx)
Emin	459 lx
Emin/Eav (Uo)	0.88 (>= 0.60)
Emin/Emax (Ud)	0.81
UGR (1.9H 3.1H)	<=18.8 (< 19.00)
Position	0.75 m

Major surfaces

	Em		Uo	
M 1.6 (Ceiling)	133 lx	(>= 30 lx)	0.94	(>= 0.10)
M 1.1 (Wall)	321 lx	(>= 50 lx)	0.71	(>= 0.10)
M 1.2 (Wall)	392 lx	(>= 50 lx)	0.61	(>= 0.10)
M 1.3 (Wall)	336 lx	(>= 50 lx)	0.66	(>= 0.10)
M 1.4 (Wall)	321 lx	(>= 50 lx)	0.75	(>= 0.10)
M 1.5 (Wall)	346 lx	(>= 50 lx)	0.64	(>= 0.10)

Object : Warehouse
Installation : Warehouse
Project number : 10002
Date : 28.06.2018



7 Stock control

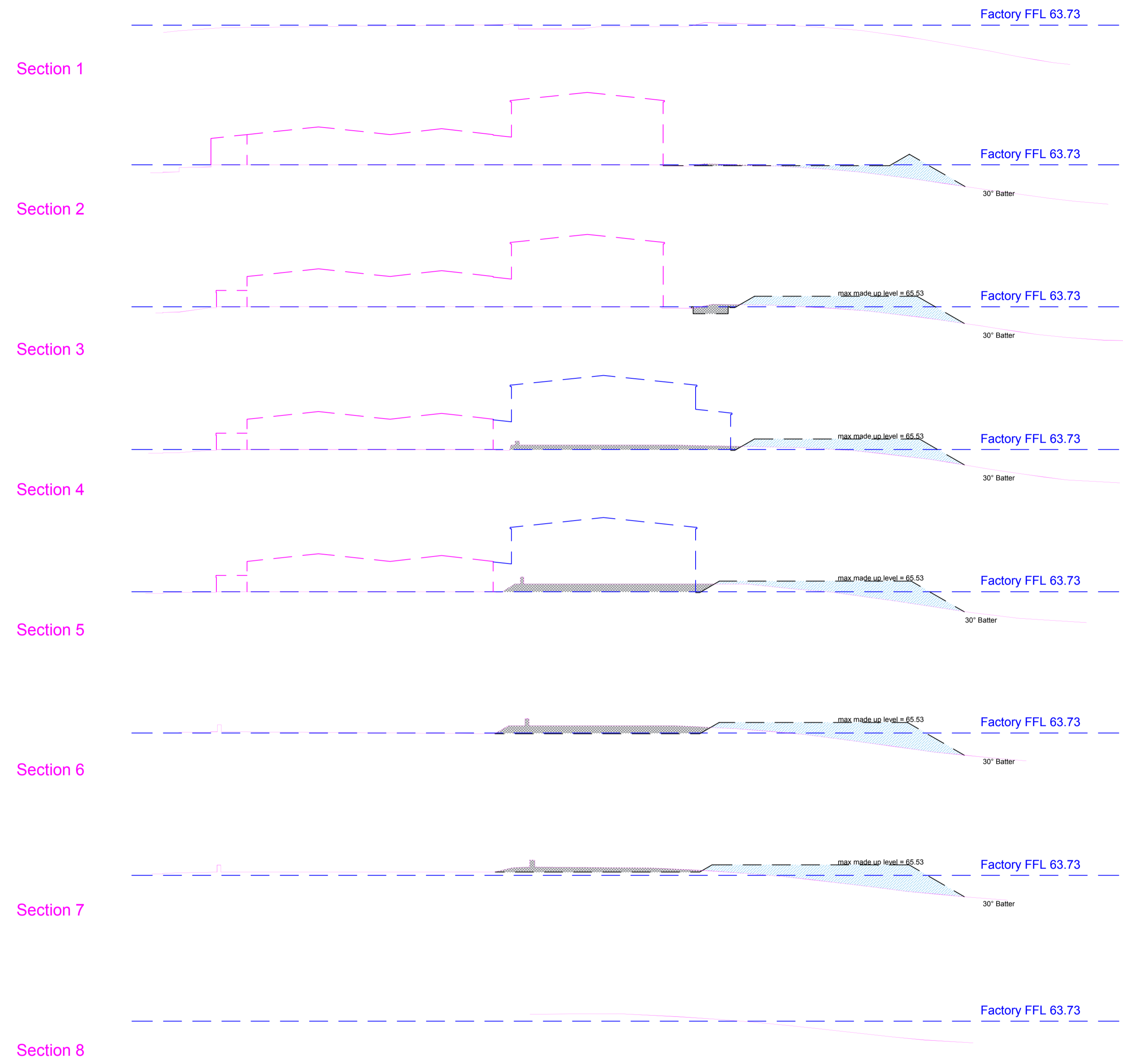
7.2 Summary, Stock control

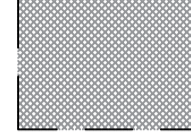
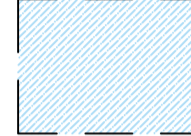



7.2.1 Result overview, Evaluation area 1

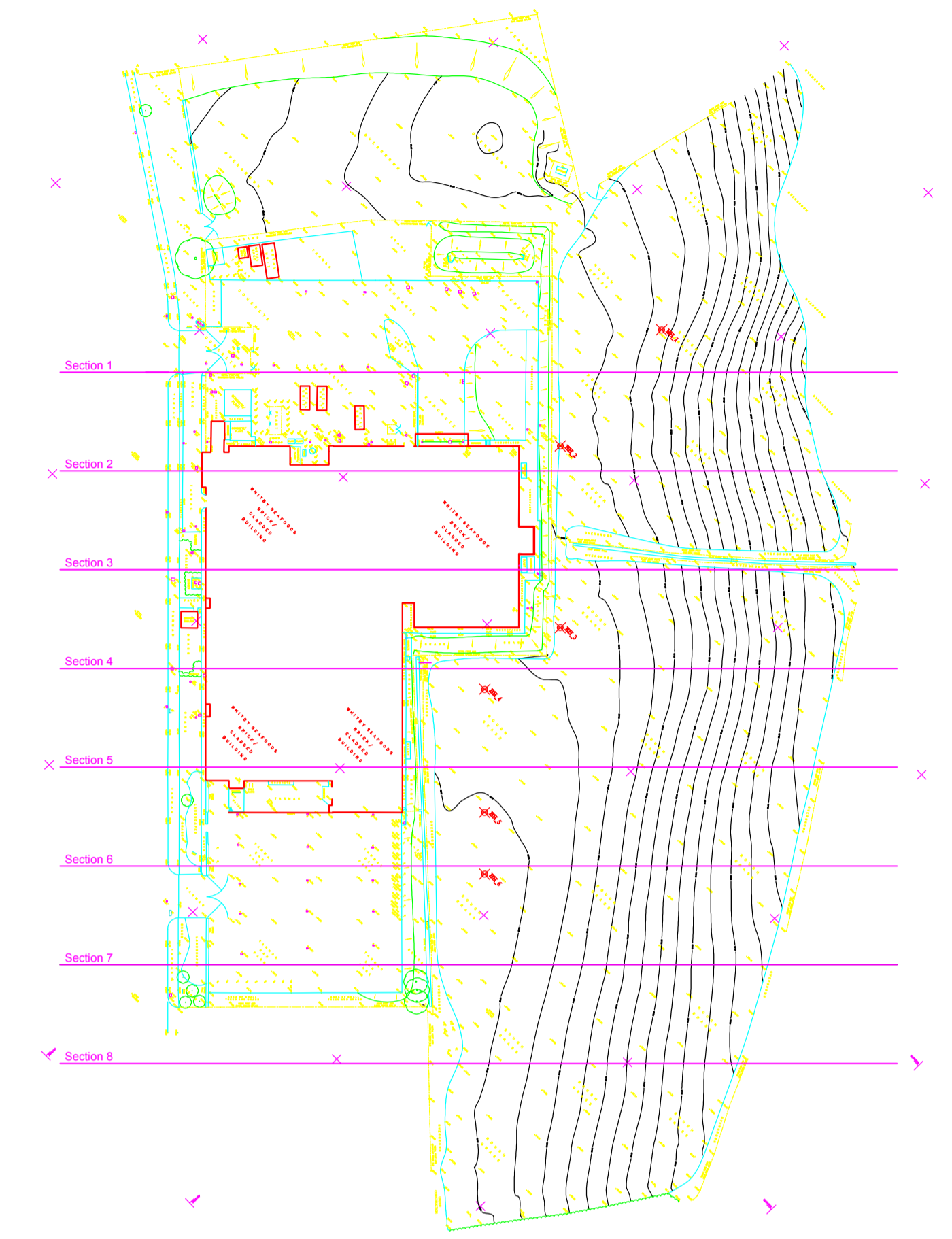
Type No.\Make

3	4	JCC	
		Order No.	: JC71353
		Luminaire name	: Skytile LED Panel 600x600 36W 3000k
		Equipment	: 1 x LED 36.1 W / 3513 lm







-  Extent of cut
-  Maximum extent of fill
-  FFL
-  Existing levels
-  Proposed levels



AMENDED

NYMNP
28/06/2018

REV	DATE	DESCRIPTION
CLIENT: Whitby Seafoods Ltd Fairfield Way Whitby North Yorkshire YO22 4PU		
		
PROJECT TITLE: Project Hovis		
DRAWING TITLE: Existing and proposed site levels		
		
Celsius Consulting		
DRAWN BY SDB	DATE 27/06/18	SCALE 1:1250 1:500
CHECKED BY	DATE	
DRAWING No. 10002/A/120/001	A1	REVISION

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