

FLOODLIGHTING EQUIPMENT:

TRAINING PITCHES:

8 x 13.5m MASTS (M1-M8)

EACH CARRYING THE FOLLOWING FLOODLIGHTS:

M1,M5.....2 x AL5783/2KW/MHN-LA

M2,M6.....1 x AL5781/2KW/MHN-LA

.....1 x AL5783/2KW/MHN-LA

M3,M4.....1 x AL5782/2KW/MHN-LA

.....1 x AL5783/2KW/MHN-LA

M7.....2 x AL5782/2KW/MHN-LA

M8.....1 x AL5781/2KW/MHN-LA

.....1 x AL5782/2KW/MHN-LA

M7 IS TO BE FITTED WITH BACK SHIELD

M8 IS TO BE FITTED WITH BACK & SIDE SHIELD

LAMPS (PHILIPS)

2KW MHN-LA/415/956 (190 000 INITIAL Lm)

ILLUMINANCE LEVELS: (INDIVIDUALLY SWITCHED)

TRAINING PITCH 1:

INITIAL (100 Hrs)

E.I.ave = 149 LUX

MAINTAINED (4000 Hrs)

E.m.ave = 115 LUX

UNIFORMITY

E_{min}/E_{ave} = 0.52

TRAINING PITCH 2:

INITIAL (100 Hrs)

E.I.ave = 170 LUX

MAINTAINED (4000 Hrs)

E.m.ave = 130 LUX

UNIFORMITY

E_{min}/E_{ave} = 0.52

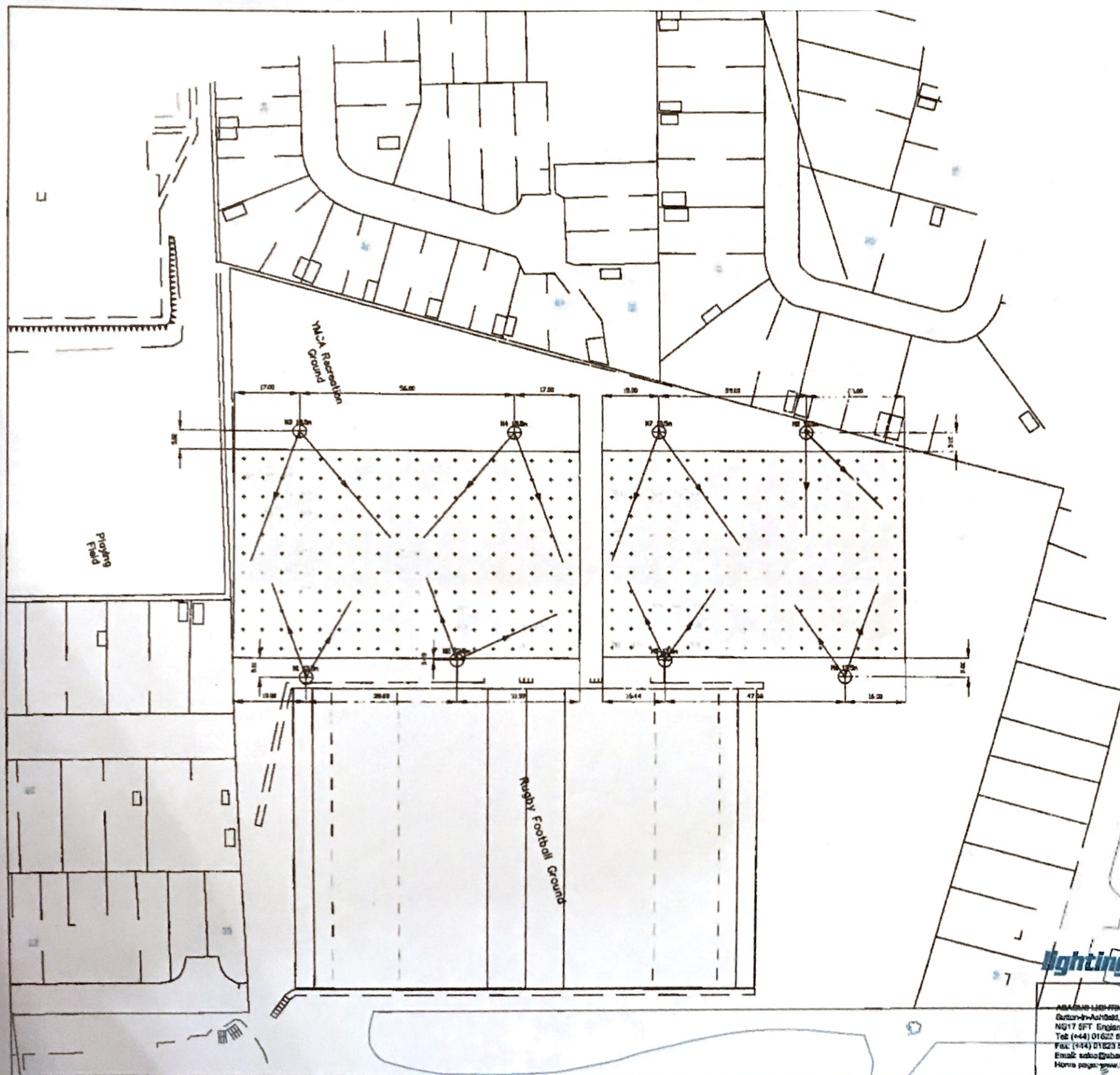
GRID VALUES IN LUX

GRID INTERVAL = 5m

CONTOUR VALUES IN LUX

CONTOURS 2,5,10,25,50 LUX

MAINTENANCE FACTOR = 0.77



Lighting4sport

ADACUS LIGHTING LTD.
Gusson-in-Ash Road, Nottinghamshire
NG17 5FT England
Tel: (+44) 01622 511111
Fax: (+44) 01622 552133
Email: sales@adacushlighting.com
Home page: www.lighting4sport.com

Lighting Project: EXTERNAL FLOODLIGHTING

Title: HUDDERSFIELD YMCA

Design Ref: UKS2901/2

Design by: ROB SCOTT

Date: 16/05/2014

Scale: 1:500 @ A1

Revision(s) From Previous Design:

All drawings are the property of Adacus Lighting Ltd. and are not to be reproduced without written permission. The user of these drawings is to ensure that they are used in accordance with the original design and specifications.

EQUIPMENT LIST FOR AREAS SHOWN								
Pole			Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	A1-A4	18.0m	-	18.0m	1500W MZ	5	5	0
4	TOTALS					20	20	0



GUARANTEED PERFORMANCE

ILLUMINATION SUMMARY

Match Lights

Huddersfield YMCA RUFC [CCDP]
Huddersfield,

Rugby

- Size: 130m x 69m
- Grid Spacing = 10.0m x 10.0m
- Values given at 1.0m above grade

- Luminaire Type: Green Generation
- Rated Lamp Life: 5000 hours
- Avg Lumens/Lamp: 134,000

CONSTANT ILLUMINATION HORIZONTAL LUX

Entire Grid	
No. of Target Points:	70
Average:	222.55
Maximum:	343
Minimum:	167
Min/Avg:	0.75
Min/Max:	0.49
UG (Adjacent Pts):	1.39
CV:	0

Average Lamp Tilt Factor:	1.000
Number of Luminaires:	20
Avg KW over 5000 hours:	31.28
Max KW:	34.0

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the rated life of the lamp.

Field Measurements: Averages shall be +/- 10% in accordance with IESNA RP-6-01 and CIBSE LG4. Individual measurements may vary from computer predictions.

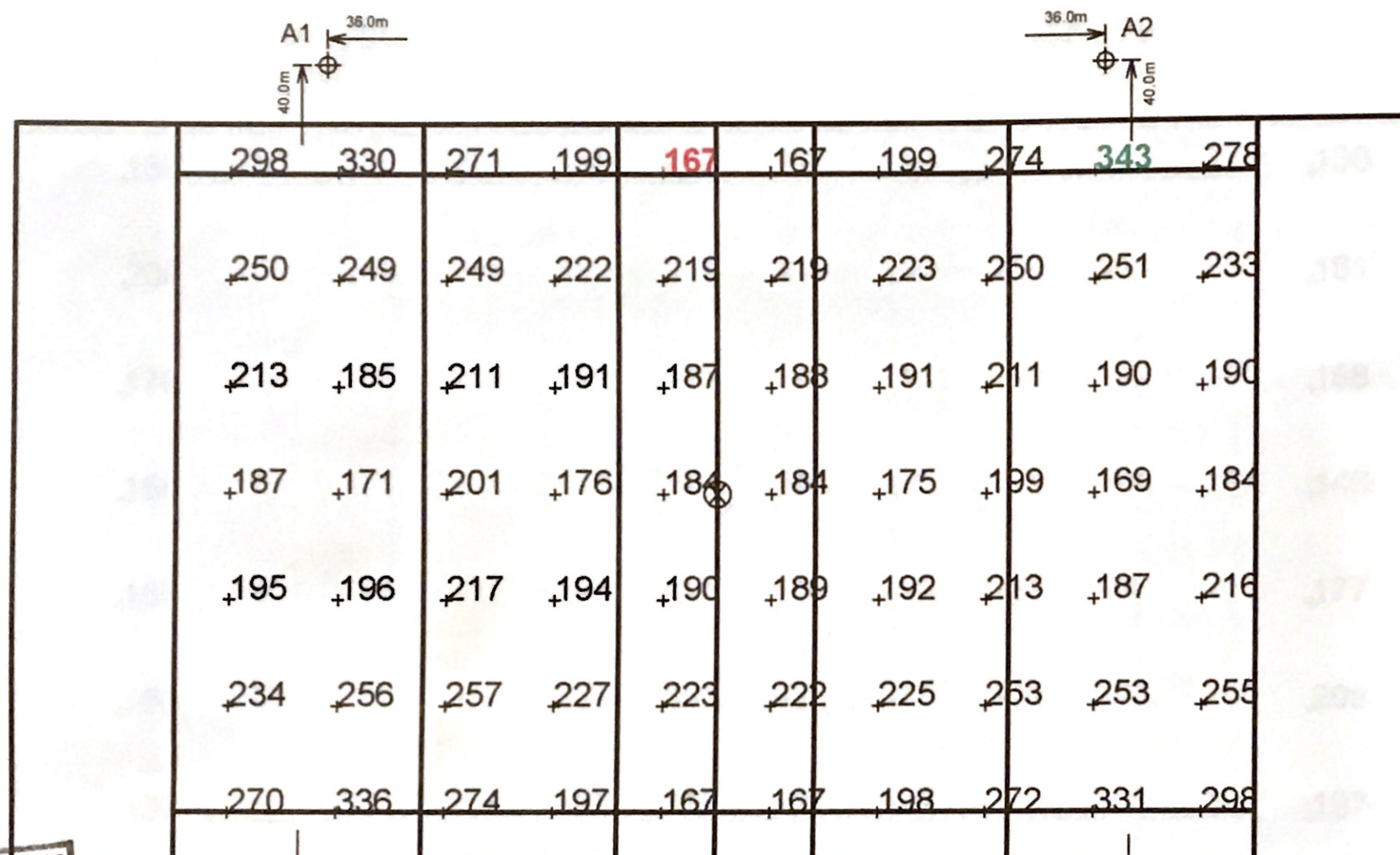
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

By: Mbelloma Date: 12-Feb-07

File #: 124996A

Not to be reproduced in whole or part without the written consent of Musco Lighting. ©1981, 2007 Musco Lighting



RECEIVED
24 FEB 2007
KIRKLEES METROPOLITAN COUNCIL

REVISED DATE
27 FEB 2007
OF RECEIPT

SCALE 1:750



Pole location(s) ⚡ dimensions are relative to 0,0 reference point(s) ⊗

07/162/90735/W2

EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
4	A1-A4	18.0m	-	18.0m	1500W MZ	5	5	0	
4	TOTALS					20	20	0	



GUARANTEED PERFORMANCE

ILLUMINATION SUMMARY

Match Lights

Huddersfield YMCA RUFC [CCDP]
Huddersfield,

Rugby - Try Area

- Size: 15m Try Area
- Grid Spacing = 10.0m x 10.0m
- Values given at 1.0m above grade

- Luminaire Type: Green Generation
- Rated Lamp Life: 5000 hours
- Avg Lumens/Lamp: 134,000

CONSTANT ILLUMINATION HORIZONTAL LUX

Entire Grid	
No. of Target Points:	14
Average:	163.75
Maximum:	208
Minimum:	137
Min/Avg:	0.84
Min/Max:	0.66
UG (Adjacent Pts):	1.51
CV:	0

Average Lamp Tilt Factor:	1.000
Number of Luminaires:	20
Avg KW over 5000 hours:	31.28
Max KW:	34.0

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the rated life of the lamp.

Field Measurements: Averages shall be +/- 10% in accordance with IESNA RP-6-01 and CIBSE LG4. Individual measurements may vary from computer predictions.

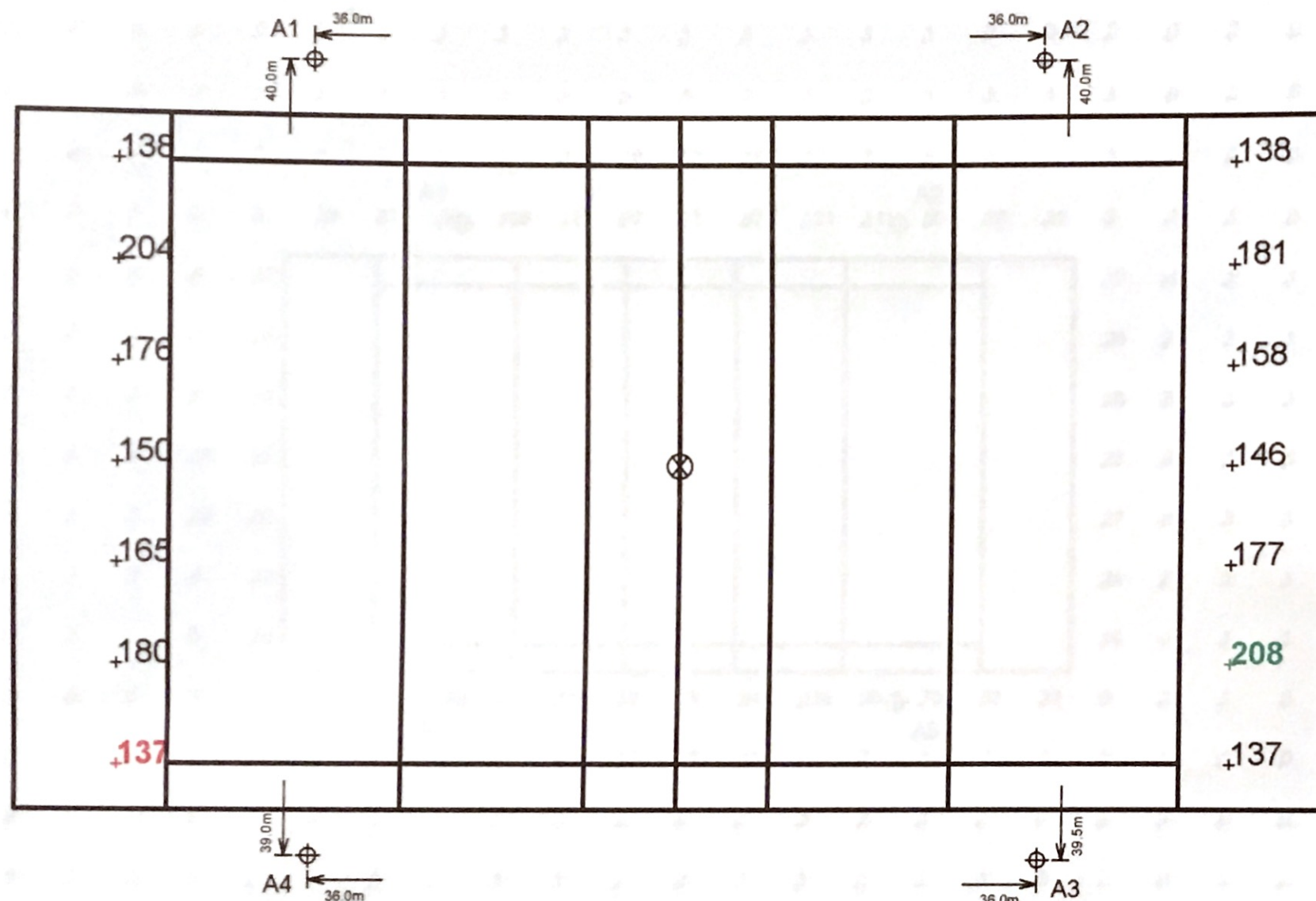
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

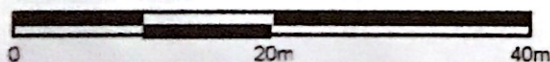
By: Mbelloma Date: 12-Feb-07

File #: 124996A

Not to be reproduced in whole or part without the written consent of Musco Lighting. ©1981, 2007 Musco Lighting



SCALE 1 : 750



Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗

EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
4	A1-A4	18.0m	-	18.0m	1500W MZ	5	5	0	
4	← TOTALS →						20	20	0



GUARANTEED PERFORMANCE

ILLUMINATION SUMMARY

50m Spill

Huddersfield YMCA RUFC [CCDP]
Huddersfield,

50m Spill

- Grid Spacing = 10.0m x 10.0m
- Values given at 1.0m above grade

- Luminaire Type: Green Generation
- Rated Lamp Life: 5000 hours
- Avg Lumens/Lamp: 134,000

CONSTANT ILLUMINATION HORIZONTAL LUX

		Entire Grid	
No. of Target Points:	300		
Average:	10.40		
Maximum:	121		
Minimum:	0		
Min/Avg:	0.01		
Min/Max:	0.00		
UG (Adjacent Pts):	19.78		
CV:	2		

Average Lamp Tilt Factor:	1.000
Number of Luminaires:	20
Avg KW over 5000 hours:	31.28
Max KW:	34.0

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the rated life of the lamp.

Field Measurements: Averages shall be +/-10% in accordance with IESNA RP-6-01 and CIBSE LG4. Individual measurements may vary from computer predictions.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

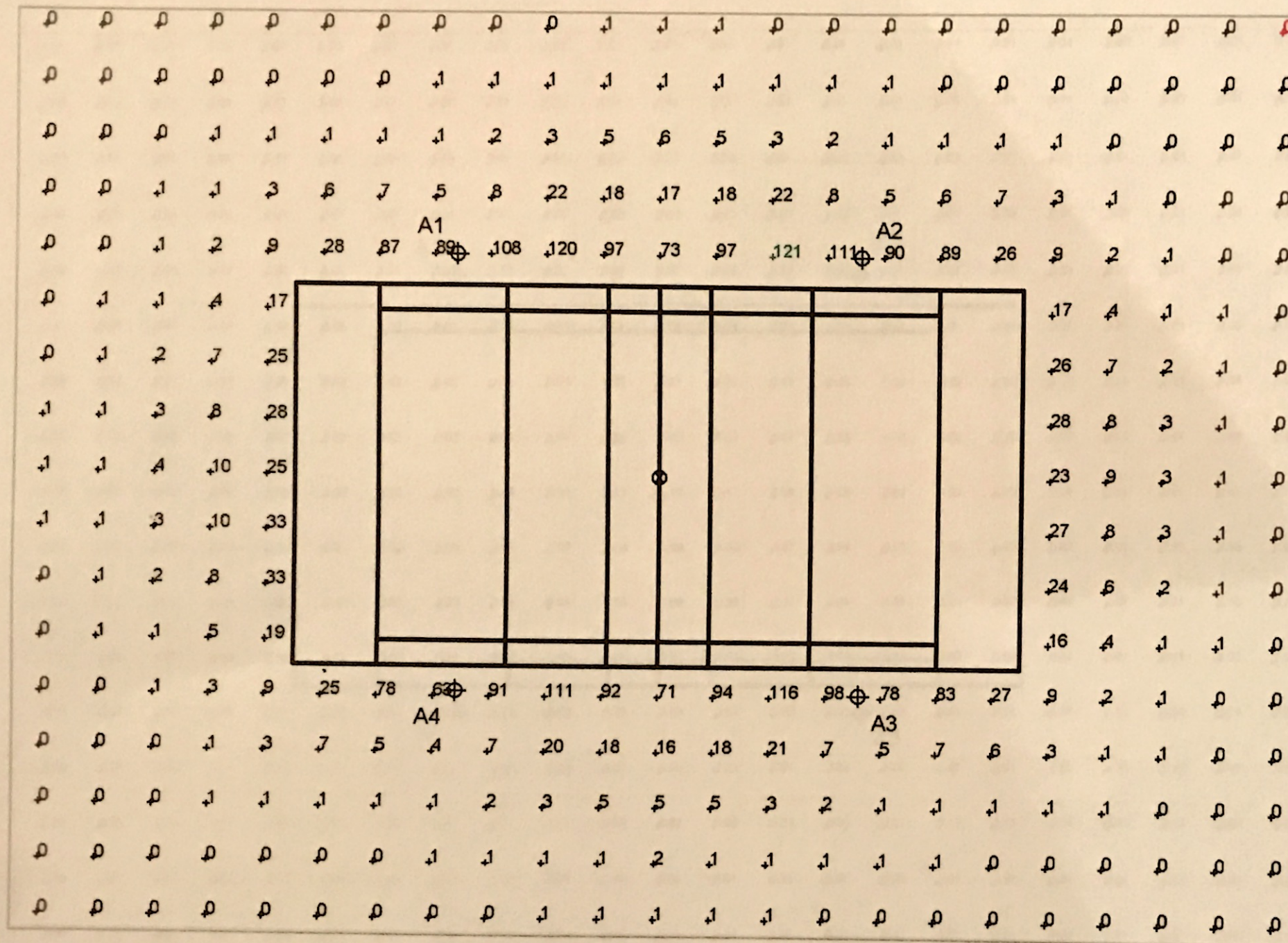
Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

By: Mbelloma

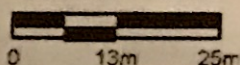
Date: 12-Feb-07

File #: 124996A

Not to be reproduced in whole or part without the written consent of Musco Lighting. ©1981, 2007 Musco Lighting



SCALE 1 : 1250



Pole location(s) ⚡ dimensions are relative to 0,0 reference point(s) ⊗

EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
4	A1-A4	18.0m	-	18.0m	1500W MZ	5	5	0	
4	TOTALS					20	20	0	



GUARANTEED PERFORMANCE

ILLUMINATION SUMMARY

Sky Glow

Huddersfield YMCA RUFC [CCDP]
Huddersfield,

Sky Glow

- Grid Spacing = 10.0m x 10.0m
- Values given at 23.3m above grade

- Luminaire Type: Green Generation
- Rated Lamp Life: 5000 hours
- Avg Lumens/Lamp: 134,000

CONSTANT ILLUMINATION VERTICAL LUX: -180° Tilt

Entire Grid
No. of Target Points: 391
Average: 0.02
Maximum: 0
Minimum: 0
Min/Avg: 0.16
Min/Max: 0.02
UG (Adjacent Pts): 3.13
CV: 1

Average Lamp Tilt Factor: 1.000
Number of Luminaires: 20
Avg KW over 5000 hours: 31.28
Max KW: 34.0

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the rated life of the lamp.

Field Measurements: Averages shall be +/-10% in accordance with IESNA RP-6-01 and CIBSE LG4. Individual measurements may vary from computer predictions.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

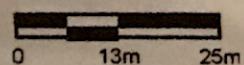
By: Mbelloma

Date: 12-Feb-07

File #: 124996A

Not to be reproduced in whole or part without the written consent of Musco Lighting. ©1981, 2007 Musco Lighting

SCALE 1 : 1250



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗