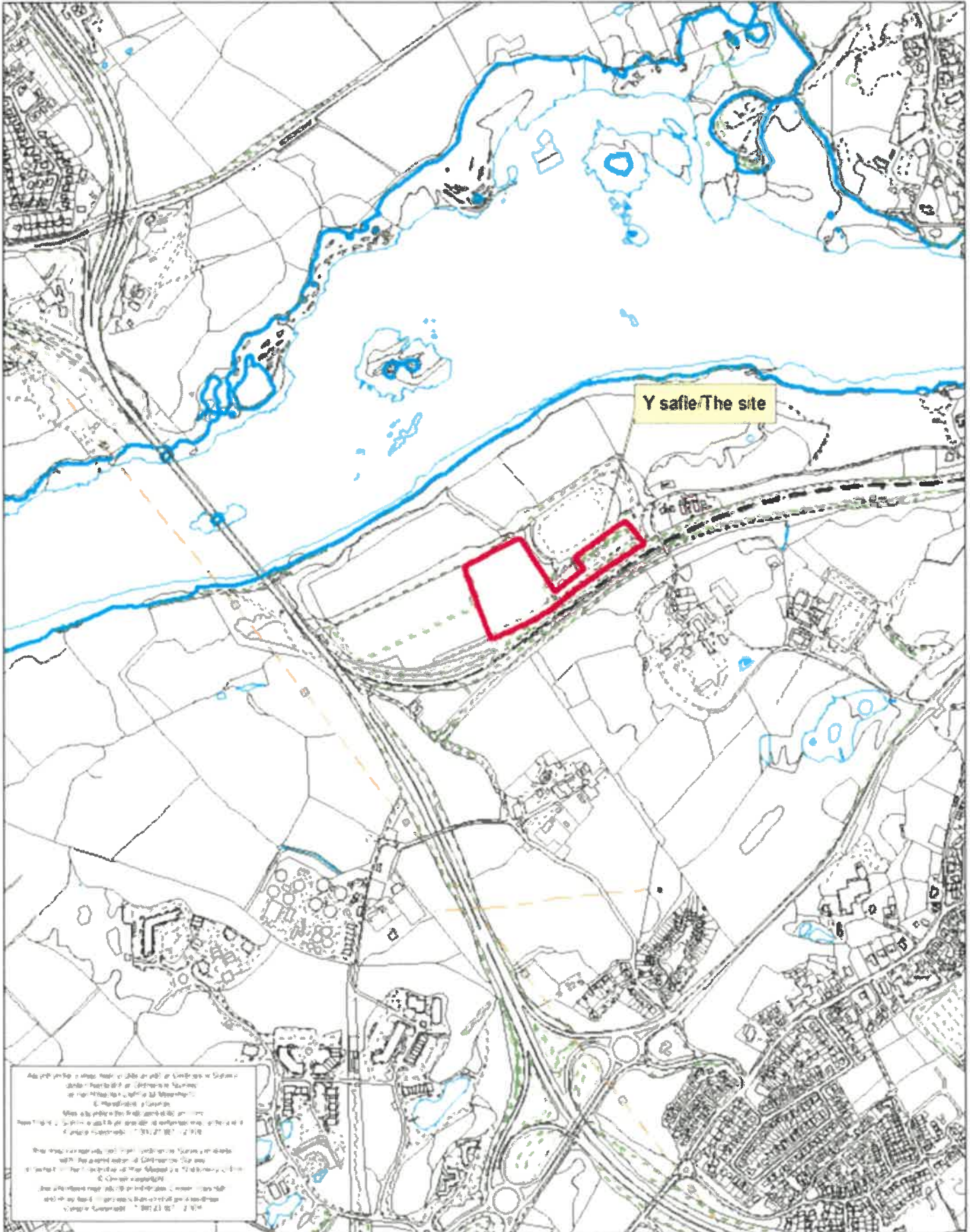


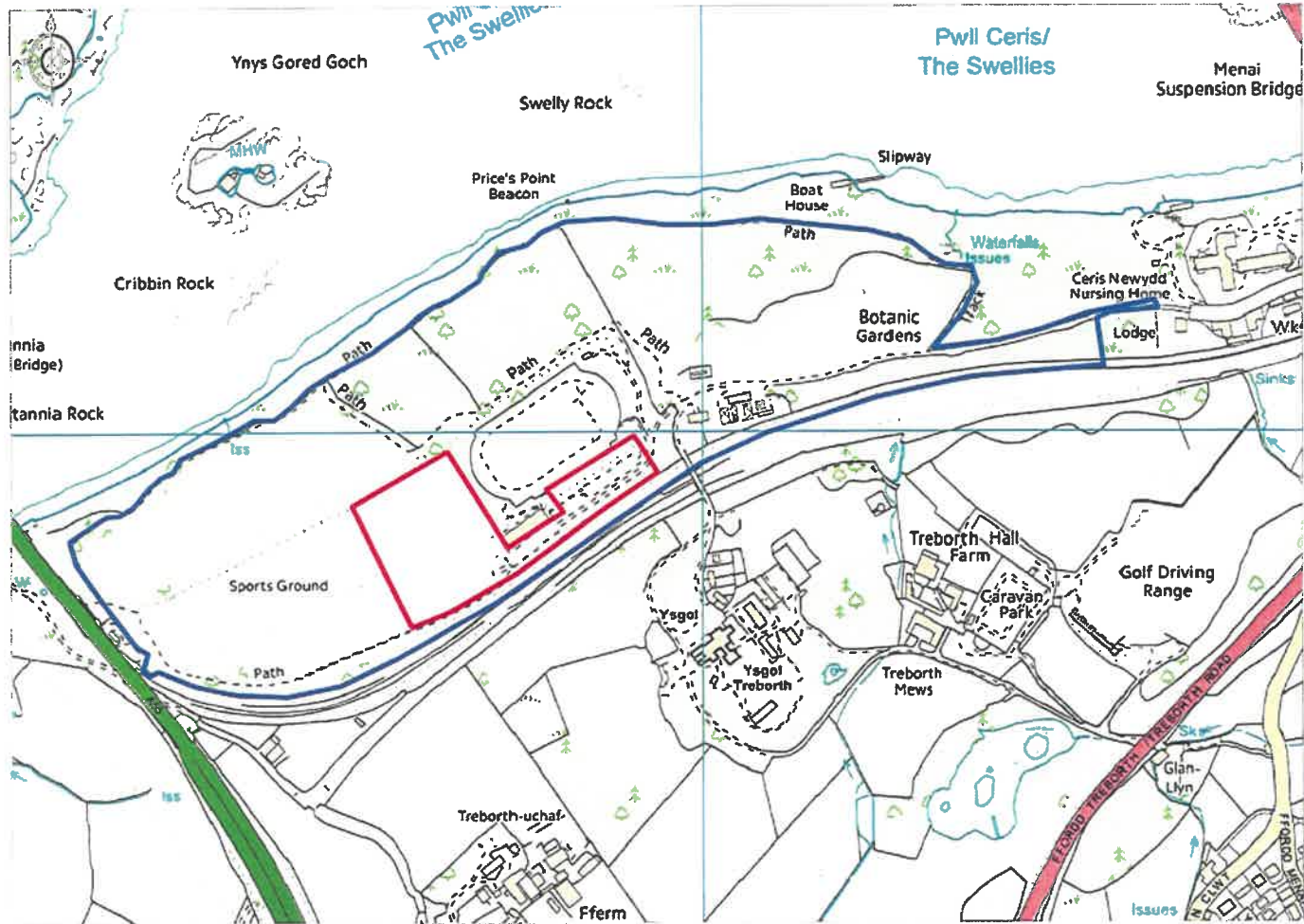


Rhif y Cais / Application Number : C18/1015/25/LL

Cynllun lleoliad ar gyfer adnabod y safle yn unig. Dim i raddfa.
Location Plan for identification purposes only. Not to scale.



Treborth Playing Fields and Pavilion, Treborth, Bangor,

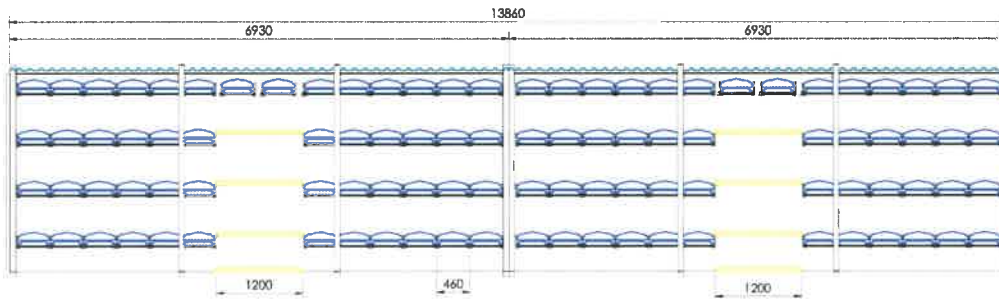


Ordnance Survey © Crown Copyright 2018. All rights reserved. Licence number 100022432. Plotted Scale - 1:7500

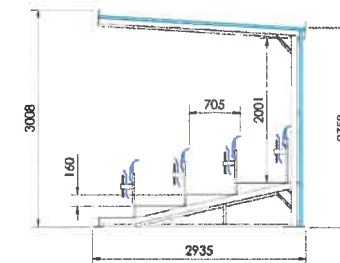
ARENA SPORTS STAND



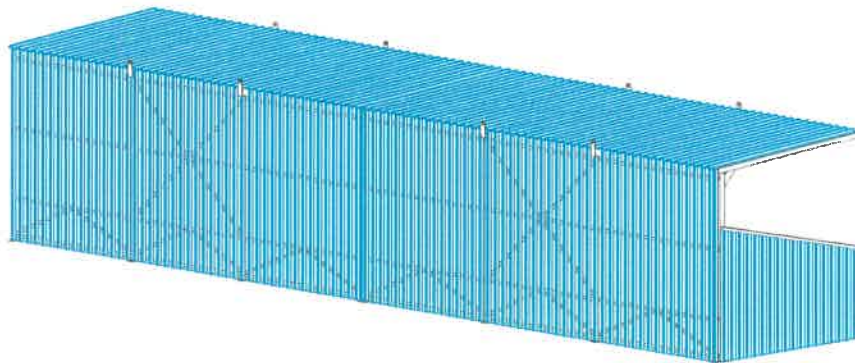
FRONT VIEW



PLAN VIEW (WITHOUT ROOF)



TYPICAL SECTION




REAR VIEW

SEATING CAPACITY = 100 TIERED TIP-UP SEATS

GLOBAL EVENTS. DESIGNED AND DELIVERED.



DRAWN DBP	THIS DRAWING IS THE PROPERTY OF ARENA SEATING	DRAWING NUMBER S-100	REV.	SCALE 1:50@A2
DATE 12/03/15	COPYRIGHT IS RESERVED BY THEM AND THE DRAWING IS ISSUED ON THE CONDITION THAT IT IS NOT USED, COPIED, REPRODUCED, RETAINED OR DISCLOSED EITHER WHOLLY OR IN PART, BY OR TO ANY UNAUTHORISED PERSONS WITHOUT THE PREVIOUS CONSENT IN WRITING OF ARENA SEATING.	 Arena House . Membury . Lambourn Woodlands . Hungerford Berkshire . RG17 7TQ . England T: +44(0)1488 674800 E: info@arenaseating.com www.arenagroup.com		
DATE	WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.			



DO NOT SCALE

NOTES

LEGEND

- ACCESS ROAD
- CONCRETE STORAGE AREA
- STAMPS FOOTWAY
SHOW TRACK AC BY EDGE BROAD 100-150.
SHOW TRACK AC BY EDGE BROAD 150-180.
SHOW TRACK BROAD 180-200 TYPE 1.
- 3G PITCH
- PROPOSED ADDITIONAL CAR PARKING AREA
- 2m HIGH FENCE AND GATE
- 2m HIGH FENCE
- 1.2m HIGH EMER FENCE

NO	REV	DESCRIPTION	DATE
01		ISSUED FOR TENDER	01/10/20
02		FOR PERMIT	01/10/20
03		FOR PERMIT	01/10/20
04		FOR PERMIT	01/10/20
05		FOR PERMIT	01/10/20
06		FOR PERMIT	01/10/20
07		FOR PERMIT	01/10/20
08		FOR PERMIT	01/10/20
09		FOR PERMIT	01/10/20
10		FOR PERMIT	01/10/20
11		FOR PERMIT	01/10/20
12		FOR PERMIT	01/10/20
13		FOR PERMIT	01/10/20
14		FOR PERMIT	01/10/20
15		FOR PERMIT	01/10/20
16		FOR PERMIT	01/10/20
17		FOR PERMIT	01/10/20
18		FOR PERMIT	01/10/20
19		FOR PERMIT	01/10/20
20		FOR PERMIT	01/10/20
21		FOR PERMIT	01/10/20
22		FOR PERMIT	01/10/20
23		FOR PERMIT	01/10/20
24		FOR PERMIT	01/10/20
25		FOR PERMIT	01/10/20
26		FOR PERMIT	01/10/20
27		FOR PERMIT	01/10/20
28		FOR PERMIT	01/10/20
29		FOR PERMIT	01/10/20
30		FOR PERMIT	01/10/20
31		FOR PERMIT	01/10/20
32		FOR PERMIT	01/10/20
33		FOR PERMIT	01/10/20
34		FOR PERMIT	01/10/20
35		FOR PERMIT	01/10/20
36		FOR PERMIT	01/10/20
37		FOR PERMIT	01/10/20
38		FOR PERMIT	01/10/20
39		FOR PERMIT	01/10/20
40		FOR PERMIT	01/10/20
41		FOR PERMIT	01/10/20
42		FOR PERMIT	01/10/20
43		FOR PERMIT	01/10/20
44		FOR PERMIT	01/10/20
45		FOR PERMIT	01/10/20
46		FOR PERMIT	01/10/20
47		FOR PERMIT	01/10/20
48		FOR PERMIT	01/10/20
49		FOR PERMIT	01/10/20
50		FOR PERMIT	01/10/20

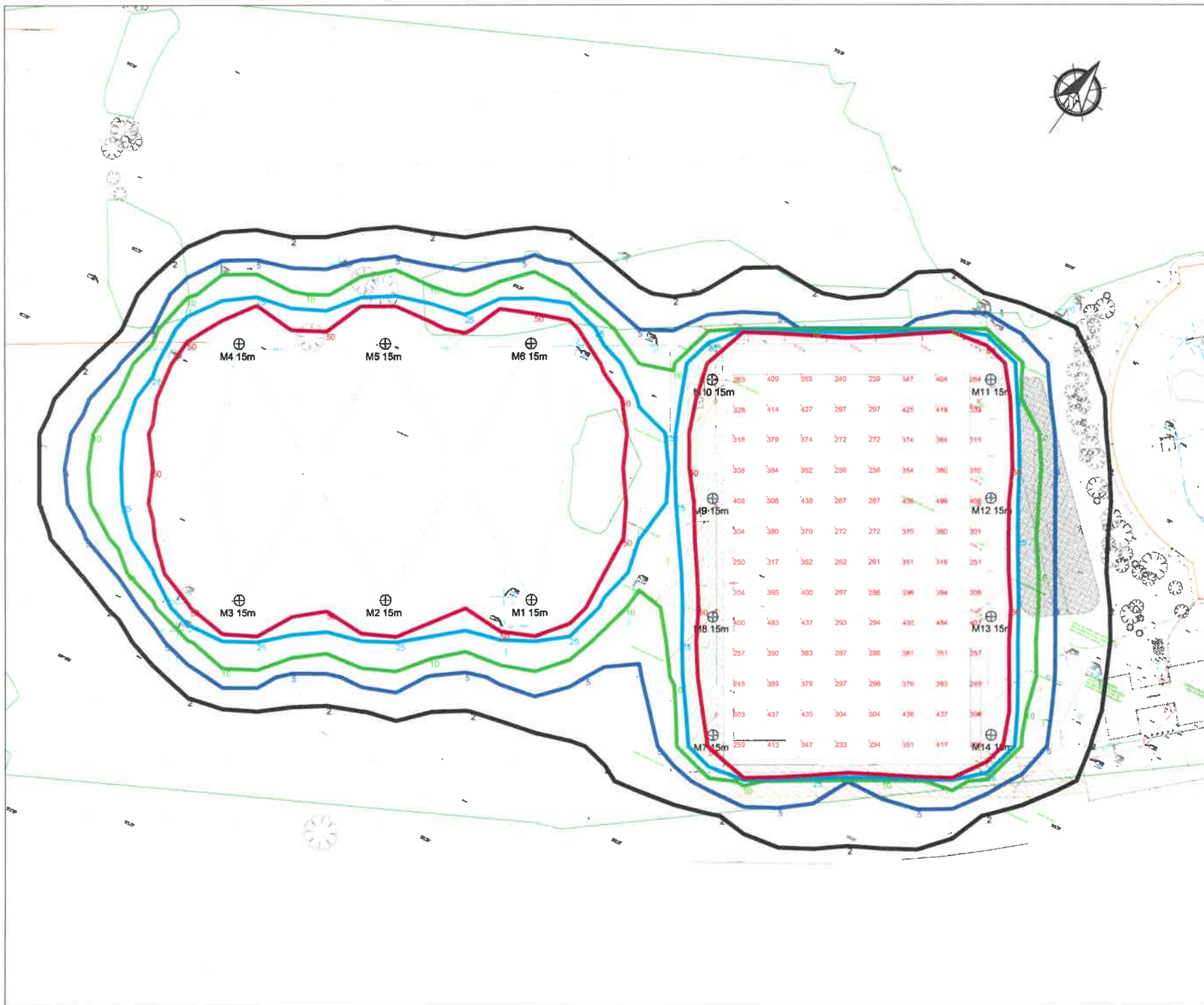
PRELIMINARY



BANGOR UNIVERSITY

BANGOR UNIVERSITY
3G PITCH
GENERAL ARRANGEMENT

NO	REV	DESCRIPTION	DATE
01		ISSUED FOR TENDER	01/10/20
02		FOR PERMIT	01/10/20
03		FOR PERMIT	01/10/20
04		FOR PERMIT	01/10/20
05		FOR PERMIT	01/10/20
06		FOR PERMIT	01/10/20
07		FOR PERMIT	01/10/20
08		FOR PERMIT	01/10/20
09		FOR PERMIT	01/10/20
10		FOR PERMIT	01/10/20
11		FOR PERMIT	01/10/20
12		FOR PERMIT	01/10/20
13		FOR PERMIT	01/10/20
14		FOR PERMIT	01/10/20
15		FOR PERMIT	01/10/20
16		FOR PERMIT	01/10/20
17		FOR PERMIT	01/10/20
18		FOR PERMIT	01/10/20
19		FOR PERMIT	01/10/20
20		FOR PERMIT	01/10/20
21		FOR PERMIT	01/10/20
22		FOR PERMIT	01/10/20
23		FOR PERMIT	01/10/20
24		FOR PERMIT	01/10/20
25		FOR PERMIT	01/10/20
26		FOR PERMIT	01/10/20
27		FOR PERMIT	01/10/20
28		FOR PERMIT	01/10/20
29		FOR PERMIT	01/10/20
30		FOR PERMIT	01/10/20
31		FOR PERMIT	01/10/20
32		FOR PERMIT	01/10/20
33		FOR PERMIT	01/10/20
34		FOR PERMIT	01/10/20
35		FOR PERMIT	01/10/20
36		FOR PERMIT	01/10/20
37		FOR PERMIT	01/10/20
38		FOR PERMIT	01/10/20
39		FOR PERMIT	01/10/20
40		FOR PERMIT	01/10/20
41		FOR PERMIT	01/10/20
42		FOR PERMIT	01/10/20
43		FOR PERMIT	01/10/20
44		FOR PERMIT	01/10/20
45		FOR PERMIT	01/10/20
46		FOR PERMIT	01/10/20
47		FOR PERMIT	01/10/20
48		FOR PERMIT	01/10/20
49		FOR PERMIT	01/10/20
50		FOR PERMIT	01/10/20



Floodlighting Equipment.
Main Pitch
 6 x 15m Masts(M1-M6)
 Carrying the following Abacus floodlights:-
 M1-M6.....2 x Abacus Challenger 1 AL6900/2KW/HCI

Lamps(Osram)
 2000W HQI-TS/WNL (230,000 Initial Lm)

All Weather Pitch
 6 x 15m Masts(M7-M14)
 Carrying Abacus AAA-Lux GEN6 Floodlights:-

M7 & M11 2 x WS230/1700W/MP/SB
 1 x WS250/1700W/MP/SB

M10 & M14 2 x WS220/1700W/MP/SB
 1 x WS250/1700W/MP/SB

M8, M9, M12 & M13 2 x WS200/1700W/MP/SB
 1 x WS250/1700W/MP/SB

LED Performance
 Lumen Output - 220,552 Lm
 Power Consumption - 1700W
 Expected Life - 80,000 Hrs

Illuminance Levels(Individual Pitches)
Existing Rugby Pitch
 Initial(100 Hrs)
 E.Lave=205 Lux

Maintained(5000 Hrs)
 E.m.ave=143.5 Lux

Uniformity Ratio(Emin/Eave)=0.64

Maintenance Factor=0.70(Main Pitch)

New All Weather Rugby Pitch
 Initial(100 Hrs)
 E.Lave=340 Lux

Maintained(5000 Hrs)
 E.m.ave=306 Lux

Uniformity Ratio(Emin/Eave)=0.69

Maintenance Factor=0.90(All Weather Pitch)

Grid Values in Lux(Initial)
 Grid Interval=5m
 Contour Values in Lux
 Contours: 2.5, 10, 25, 50 Lux



Neil Johnson
 Sports Lighting Consultants Ltd

3 Millers Dale Drive
 South Normanton
 Derbyshire
 DE55 2LG
 T 07975 707391
 E njohnson66@sky.com

Project Title
 BANGOR UNIVERSITY
 TREBORTH PLAYING FIELDS
 PROJECTED LIGHT SPILL

Client
 BANGOR UNIVERSITY

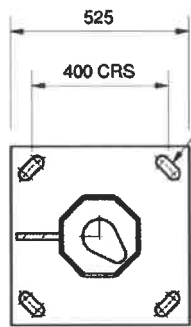
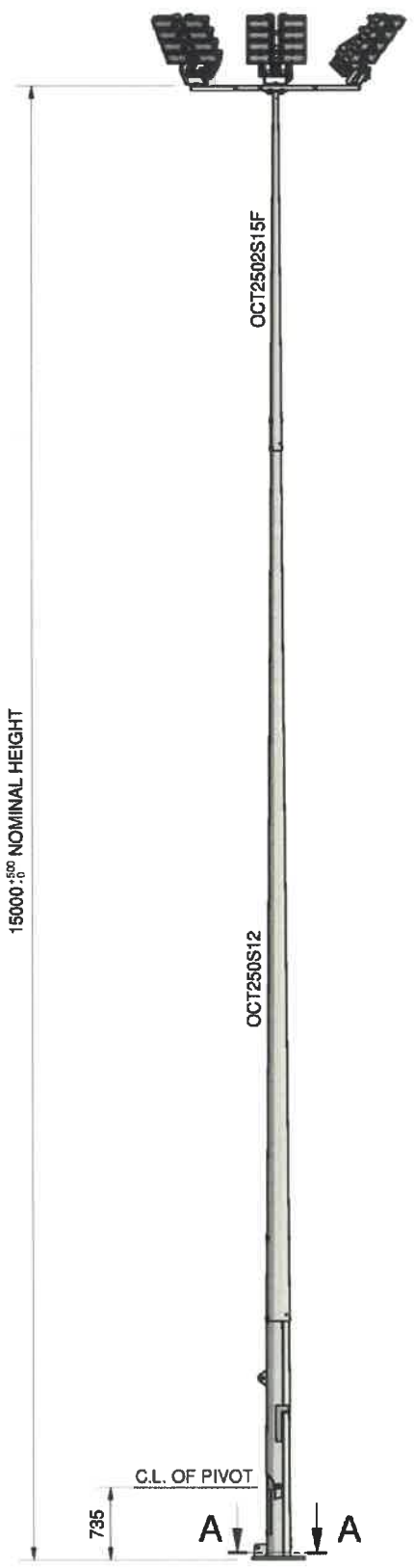
Scale
 1:500 @ A1

Design Ref
 SP115B Rev 1

Date
 26/10/2018

Drawn By
 Neil Johnson

Lighting designs are calculated in AG32 lighting design software using exact dimensions. Site, manufacturing and installation tolerances may result in variations between calculated and measured values. All designs are produced in good faith and site measurements should be checked prior to installation. Neil Johnson, Sports Lighting Consultants/ accepts no liability for any losses due to incorrect installation.



4 NO. SLOTS 85x36 TO ENABLE ±5° ROTATION FOR M30x800LG HOLDING DOWN BOLTS.

A-A

NOTES

- 1 FIRST ANGLE PROJECTION
- 2 DIMENSIONS SHOWN IN BRACKETS THUS (25) ARE REF. DIMENSIONS ONLY.
- 3 REMOVE ALL BURRS & SHARP EDGES
- 4 DO NOT SCALE IF IN DOUBT ASK.
- 5 WELDING SYMBOLS ARE TO BS EN 24068 & BS EN 22553
- 6 ALL STANDARDS & SPECIFICATIONS ARE TO BE TO THE LATEST REVISIONS
- 7 FILLET WELDS TO BE TO WELD PROCEDURE No. 031W.
- 8 MATERIAL CHS TO BS EN 10210 GRD S275 WITH A TENSILE STRENGTH OF 430N/mm²
CHS TO BE EN 10210 GRD S355 WITH A TENSILE STRENGTH OF 490N/mm².
PLATE FROM M.S TO BS EN 10025 GRD S275.
PLATE 25mm THICK AND OVER TO BE CHARPY TEST VALUE OF 27J (MIN) AT -15°C.
- 9 FINISH HOT DIP GALV TO BS EN ISO 1461.
- 10 FOR DETAIL OF BASE SEE DRG NO RL2014/7 6EFRES.
- 11 FOUNDATION BOLTS ARE TYPE 3 TO DRG NO C2014/2
- 12 FOR DETAILS OF SHAFTS SEE DRG NO RL2014/1/23 & 2317.
- 13 WEIGHT OF SHAFTS AS FOLLOWS
OCT250S15F 24KG
OCT250S12 116KG
BASE ASSY 236KG.
- 14 SHAFT OVERLAPS:-
SHAFT MIN DESIGN OVERLAP OVERLAP
OCT250S15F 215 636
TO OCT250S12
OCT250S12 425 759
TO BASE

© Copyright Abacus Lighting Ltd. All Rights Reserved
THIS DESIGN AND SUPPORTING DOCUMENTS ARE THE SOLE PROPERTY OF ABACUS LIGHTING LIMITED AND MUST NOT BE REPRODUCED.

General tolerances unless stated otherwise:-
0mm-500mm----- ±
501mm-1000mm--- ±
Above----- ±

Drawn **A BOOTH**
Checked *[Signature]*
Not to scale
Date 19/12/2016

Title **HL250D15F MAST CARRYING 3 AAALUX FLOODS**
Sales order No.

Abacus
LEADERS IN LIGHTING
Client **STANDARD COMPONENT**
Drg. No. **HL250D15F/3/AAALUX**

