

NYMNPA

12/07/2019

From: Pearsons TV & Appliances
Sent: 11 July 2019 15:48
To: General
Subject: Fwd: reply to parks

FAO Ailsa Teasdale

Hi Ailsa

Hope you haven't forgotten about us!

We have been, and still are, awaiting the final Eco report to do with bats but as we had the rest of the info ready i thought it might be an idea to send you what we have so we can start moving forward again.

Alan is sending you the revised drawings today which are referenced in my response to your letter dated march 7th 2019.

Please don't hesitate to contact me if you have any further questions i will be happy to help

Many thanks
Mark

North York Moors National Park Authority

The Old Vicarage, Bondgate, Helmsley, York YO62 5BP
Tel: 01439 772700
Email: general@northyorkmoors.org.uk
Planning enquiries: planning@northyorkmoors.org.uk
www.northyorkmoors.org.uk



Andy Wilson
Chief Executive

Alan Vandome
1 College Square
Stokesley
TS9 5DL

Your ref:
Our ref: NYM/2018/0732/FL
Date: 7 March 2019

Dear Mr Vandome

Conversion of and extension to stable building to form cycle hire shop and cafe at ground floor and 2 no. holiday letting units at first floor, construction of plant room/store together with alterations to access, provision of parking and landscaping works at 20 Dikes Lane, Great Ayton,

I write in connection with the above application and my meeting on site with Mr Pearson. Following the receipt of comments in relation to the application and our discussion on site I write to seek some amendments and clarification to the proposed scheme.

Mr Pearson emailed last week raising concerns over what was being written by the objectors. Generally objectors/people are allowed free speech and to offer opinions which an applicant can correct or challenge. Our role is only to censure obviously racist /abusive/ defamatory material and this does not appear to fall in that category in this instance. The water supply to the site is a material planning consideration and therefore we would welcome an update on this situation which will hopefully overcome all of these concerns.

Mr Pearson also mentioned on site that he would like the site to operate completely off grid. I would therefore be grateful if you could provide full details of how this will be achieved. We therefore require full details of the:

- Telsar (solar) roof slates
- Elec Supply and backup Generator and details of where this will be located- above/underground? As well as any fencing and sound levels associated with this
- Gas tank & where this will be located
- Proposed treatment plant and where it will be located

With regard to the design alteration proposed/considered on site. We will requirements detailing the following:

- Treatment of doors to balcony area.
- Removal of the hips on the proposed plant room and clarification of what it will be used for.

NYMNP

12/07/2019



NYMNPA

12/07/2019

- We discussed altering the proposed entrance area, moving it to the southern elevation where it could take a lean-to form and would be entered from the west side.
- Clarification with regard to the outdoor seating area once the entrance has been moved.
- Will a bike cleaning area be required? And if so where will this be located?
- We will need a cross section through the site to show any alterations proposed to the ground levels to accommodate the parking and access to the plant room.

Environmental Health Officer (EHO) concerns:

- Details of all external lighting is required and this should be kept to a minimum to avoid an adverse impact on the neighbouring properties and also any bats foraging in the locality.
- It is not envisaged that the cycle hire side of the business will be used during the night and therefore lighting should be low level and on a sensor to provide safe access to the holiday cottages.
- Please could you give us an idea of your proposed opening times
- And also confirm how the use of the outside seating area will be limited/controlled during the evening /nighttime
- Details of the kitchen extractors are also required for the EHO.

A Business Plan should be put together to detail the envisaged scale of activity and any partnership working that is proposed:

- Please provide details of any cycle routes that you have access to from the site to ensure that this is a suitable location.
- Please provide the number of covers for the café and detail confirm whether with open to all or only those who hire bikes from the site
- It is likely that a legal agreement will have to be drawn up to accompany any approval granted to provide money on an annual basis towards repair and maintenance of the paths & tracks in the area. Contributions would be used toward repairs of bridleways surfaces, to better signpost the routes and to improve gates etc. There are also issues with trespass by bikes in the area and some help with developing and supporting a code of conduct would be appreciated and would benefit both your business and other users of the area.

Further details of this will have to be drawn up, however at this stage I would be grateful if you could confirm that your client is willing to sign up to this and they will have to pay the required legal fees for drawing this up, which is likely to be around £600 for straight forward agreements.

The Highways Authority have asked for further clarification in relation to the increased vehicle trips to and from the site:

- There is a concern in relation to the visibility that is available at the access. The speed limit is derestricted at the access location and as such the exact speeds of vehicles in the area are not known. As such the Highways Officer will also require further information and justification with regard to the visibility splays that are available at the access. The visibility splays should be justified in line with the guidance from Manual for Streets or the Design Manual for Roads and Bridges as appropriate and justified by means of a speed survey.
- They also require some further information in relation to traffic movements to and from the site and an assessment of the suitability of routes to the site for the proposed

use. They have therefore asked that you provide a Transport Statement detailing the traffic movements that would be associated with the proposal if the site became operational. The information should include figures during the day and on a weekly basis and also include the types of vehicles that would visit the site. These figures should also help to justify the level of parking that is being made available at

NYMNPA

12/07/2019

the site for the mixed uses here i.e. the holiday lets, bike hire and café facilities. Deliveries to the site will also need to be considered as well as refuse collection.

- Consideration should also be given to a Parking Management Plan which should be aimed at the keeping the vehicles associated with the site within the site and not parked elsewhere on the highway if the parking demand exceeds the availability at the site.
- Many of the objectors cite lack of parking on site and issues with regard to the access road as a reason for their objection. It would therefore be grateful if you could address this matter.
- Also I presume that vehicular access will be required to the plant room and if this is so then details of this should be shown. Consideration could also be given to providing overflow (unsurfaced) parking in this area too.

Tree protection:

- There is a large significant sycamore tree (TN2 in plans) in close proximity to the building and next to the road and also a Horse Chestnut located adjacent to the access. These are marked for retention and therefore I would be grateful if you could provide an arboricultural method statement and tree protection plan which covers these trees.
- There is woodland adjacent to the sites southern boundary. I would recommend that all construction activity is located at least 15m away from trees to avoid root area damage and future conflicts between tree retention and use of the site. If the applicant wishes to develop closer than this then a tree survey and arboricultural impact assessment will be required for us to determine the application

Ecological Issues:

- Planning permission cannot be issued until bat emergence survey carried out, as stated in the submitted report.
- Bird nests and owl pellets were found within the barn. Whilst the ecologist considered it unlikely that the pellets belong to barn owl, being more likely to belong to tawny owl that are unlikely to nest in barns, evidence of breeding of owls within the barn should be checked during the summer bat surveys so that this can be ruled out as a constraint. Other bird nests were also observed in the building. If works commence within the bird breeding season, then the barn will need to be thoroughly checked by a suitably qualified person immediately prior to works commencing. It would also be appropriate for some alternative provision of nesting opportunities to be provided and incorporated into the scheme, for which the applicant's ecologist will be able to advise. This should as a minimum include provision for those species likely to be displaced by the development.
- The ecological survey also found potential water vole and otter signs in the adjacent woodland. This should be rechecked in the summer months. If confirmed, the presence of neither species would be likely to inhibit permission being granted, however appropriate mitigation for disturbance may be required in order to ensure these species are not disturbed during the development and subsequent use of the

site. This would be in keeping with the stated aim of managing the undeveloped areas of site as 'a nature reserve'.

As you will see there are a number of issues which need to be addressed or expanded upon with further surveys etc. Given the number of comments received so far the application will need to be determined at a Planning Committee meeting by the Authority members. The dates for the next meeting are the 18 April or 6 June, however as stated above the application cannot be determined until the additional Ecological reports have been carried out after May.

NYMNPA

12/07/2019

I hope the above information is of assistance. Should you have any further questions please feel free to contact me again at the National Park Offices. My normal working hours are Tuesday to Thursday 9-5pm.

Yours sincerely



Mrs Ailsa Teasdale
Senior Planning Officer



Mr Mark Pearson
20 Dikes Lane
Great Ayton
North Yorkshire
TS9 6HJ

4th July 2019

Hi Ailsa

Response to your letter dated 7/3/2019 ref NYM/2018/0732/FL

Thank you for your comments I have tried to respond with all the information you need should you require anything further please don't hesitate to ask.

I am still concerned in the matter of some objectors accusing me of taking water without consent.

So I would just like it noting on the record that when we bought the property we bought a right to water as well.

I have in my possession all the necessary original documents and historic easements and title way leaves to prove this.

An argument between the parties was conducted by solicitors in the late 1980s which was NOT taken to court by the residents of Gribdale as we have proof we are entitled to water from this supply. (I have copies of all letters)

Some of the objectors didn't live at Gribdale in the 1980s so would not know this.

I anticipated having some objections on this matter so rather than fight a long drawn out and expensive legal process for both sides. My intension has always been to provide my own supply to meet the extra demand

If anyone still has any doubt to my legal right to water, please contact me via solicitor as it is irrelevant to the National Park and my application as I've already stated I intend to install my own supply for this project.

The water supply to the site is a material planning consideration and therefore we would welcome an update on this situation

We intend to install our own borehole on site so we are independent of the existing supply. All usage to do with the proposed development will be from the bore hole.

I have met on site with M&D drilling who are confident they can install a system providing the water we will need
(See Borehole Quote)

Telsar (solar) roof slates

We would like to install a solar PV roof slate. (see spec sheet: PVSlate_Datasheet_V4.2)

Elec Supply and backup Generator and details of where this will be located- above/underground? As well as any fencing and sound levels associated with this

We wish for the development to be self-sufficient and intend on installing an off grid system. The solar PV roof slates will feed an Easy grid 10000 battery system backed up with Kohler silent diesel generator both situated within the plant room. (See spec sheets: Diesel 10000E Silence Data Sheet, ES_EasyGrid_LA)

Gas tank & where this will be located

LPG gas tank will be situated on area of hard standing south of plant room. (see plan) I will screen it with a close board fence along the east boundary.

Proposed treatment plant and where it will be located

Klargester Bio disc to be installed in same site as existing septic tank. (see spec sheet: BioDisc BD-BL Brochure)

With regard to the design alteration proposed/considered on site. We will requirements detailing the following:

Treatment of doors to balcony area.

Aluminium frames in anthracite grey colour. See amended plans

Removal of the hips on the proposed plant room and clarification of what it will be used for.

Our Ref: NYM/2018/0732/FL 2 Date: 7 March 2019

Used to house the Pump and water treatment from bore hole. And easygrid battery storage & generator. Hips removed see revised drawings

We discussed altering the proposed entrance area, moving it to the southern elevation where it could take a lean to form and would be entered from the west side.

see revised drawings

Clarification with regard to the outdoor seating area once the entrance has been moved.

see revised drawings

Will a bike cleaning area be required? And if so where will this be located?

see revised drawings

We will need a cross section through the site to show any alterations proposed to the ground levels to accommodate the parking and access to the plant room.

See new drawing. Cross section

Environmental Health Officer (EHO) concerns:

Details of all external lighting is required and this should be kept to a minimum to avoid an adverse impact on the neighbouring properties and also any bats foraging in the locality.

See Lighting Survey

It is not envisaged that the cycle hire side of the business will be used during the night and therefore lighting should be low level and on a sensor to provide safe access to the holiday cottages.

See Lighting Survey

Please could you give us an idea of your proposed opening times

Summer 8am -8pm

Winter 8am – 6pm

And also confirm how the use of the outside seating area will be limited/controlled during the evening /night-time

Use of outside seating will be for patrons of the Cafe only. Limited and controlled by opening times. Gate will be locked to non residents outside opening hours.

Details of the kitchen extractors are also required for the EHO.

We intend to install a gas interlock system Model EGIP with an extractor fitted with grease and odour filtration (see spec sheet: Extractor Data Sheet).

We have been advised the external noise from the extraction system would be 65dB when in use.

The manufacturers have advised that they can colour code the external extraction equipment to fit in with the existing décor of the building if so required. (see Revised Plans)

A Business Plan should be put together to detail the envisaged scale of activity and any partnership working that is proposed:

Please provide details of any cycle routes that you have access to from the site to ensure that this is a suitable location.

See OS drawing

Please provide the number of covers for the café and detail confirm whether si open to all or only those who hire bikes from the site

See business plan

It is likely that a legal agreement will have to be drawn up to accompany any approval granted to provide money on an annual basis towards repair and maintenance of the paths & tracks in the area. Contributions would be used toward repairs of bridleways surfaces, to better signpost the routes and to improve gates etc.

Further details of this will have to be drawn up, however at this stage I would be grateful if you could confirm that your client is willing to sign up to this and they will have to pay the required legal fees for drawing this up, which is likely to be around £600 for straight forward agreements.

Providing Planning is granted we have no objection to paying the legal fees of such an agreement as long as it is an agreeable amount we will be requested to pay. Please could you tell was what you intend this to be?.

There are also issues with trespass by bikes in the area and some help with developing and supporting a code of conduct would be appreciated and would benefit both your business and other users of the area.

See code of conduct. We will ask guests and cyclists hiring from us to sign a copy of this.

The Highways Authority have asked for further clarification in relation to the increased vehicle trips to and from the site:

There is a concern in relation to the visibility that is available at the access. The speed limit is derestricted at the access location and as such the exact speeds of vehicles in the area are not known. As such the Highways Officer will also require further information and justification with regard to the visibility splays that are available at the access. The visibility splays should be justified in line with the guidance from Manual for Streets or the Design Manual for Roads and Bridges as appropriate and justified by means of a speed survey.

See road layout drawing AVD

They also require some further information in relation to traffic movements to and from the site and an assessment of the suitability of routes to the site for the proposed use. They have therefore asked that you provide a Transport Statement detailing the traffic movements that would be associated with the proposal if the site became operational. The information should include figures during the day and on a weekly basis and also include the types of vehicles that would visit the site. These figures should also help to justify the level of parking that is being made available at the site for the mixed uses here i.e. the holiday lets, bike hire and café facilities. Deliveries to the site will also need to be considered as well as refuse collection.

See transport Statement

□ Consideration should also be given to a Parking Management Plan which should be aimed at the keeping the vehicles associated with the site within the site and not parked elsewhere on the highway if the parking demand exceeds the availability at the site.

See Parking Management Plan

□ Many of the objectors cite lack of parking on site and issues with regard to the access road as a reason for their objection. It would therefore be grateful if you could address this matter.

See Parking management plan

□ Also I presume that vehicular access will be required to the plant room and if this is so then details of this should be shown.

Consideration could also be given to providing overflow (unsurfaced) parking in this area too.

See Parking management plan

Tree protection:

□ There is a large significant sycamore tree (TN2 in plans) in close proximity to the building and next to the road and also a Horse Chestnut located adjacent to the access. These are marked for retention and therefore I would be grateful if you could provide an arboricultural method statement and tree protection plan which covers these trees.

See Tree Survey

□ There is woodland adjacent to the sites southern boundary. I would recommend that all construction activity is located at least 15m away from trees to avoid root area damage and future conflicts between tree retention and use of the site. If the applicant wishes to develop closer than this then a tree survey and arboricultural impact assessment will be required for us to determine the application.

See Tree Survey

Ecological Issues:

□ Planning permission cannot be issued until bat emergence survey carried out, as stated in the submitted report.

See environmental impact assessment TBC 17/7/19

□ Bird nests and owl pellets were found within the barn. Whilst the ecologist considered it unlikely that the pellets belong to barn owl, being more likely to belong to tawny owl that are unlikely to nest in barns, evidence of breeding of owls within the barn should be checked during the summer bat surveys so that this can be ruled out as a constraint. Other bird nests were also observed in the building. If works commence within the bird breeding season, then the barn will need to be thoroughly checked by a suitably qualified person immediately prior to works commencing. It would also be appropriate for some alternative provision of nesting opportunities to be provided and incorporated into the scheme, for which the applicant's ecologist will be able to advise. This should as a minimum include provision for those species likely to be displaced by the development.

See environmental impact assessment TBC 17/7/19

□ The ecological survey also found potential water vole and otter signs in the adjacent woodland. This should be rechecked in the summer months. If confirmed, the presence of neither species would be likely to inhibit permission being granted, however appropriate mitigation for disturbance may be required in order to ensure these species are not disturbed during the development and subsequent use of the site. This would be in keeping with the stated aim of managing the undeveloped areas of site as 'a nature reserve'.

See environmental impact assessment TBC 17/7/19

Parking Management Plan

Cooks Cycle Centre

Site: Cooks Cycle Centre, Dikes Lane, Great Ayton, TS9 6HJ

Date: 20/04/2019

Aims

Parking provided within our proposed plans should be sufficient for our intended usage. We will provide 17 spaces in the main parking area 2 of which will be for disabled use. The sub base of heavy stone for the hard standing parking area is already in place from when the building was built as an equine trekking centre. We intend to scrape the surface foliage back to this then finish using gravel, recycled road planeings or stone chippings to allow surface water to soak through.

On the lower area near the plant room we will provide a Guest & staff parking area. We will ask guests staying with us to unload their bags upon arrival then park at the lower level as once they are here we anticipate that cycle will be their preferred method of transport during their stay. This will create 5 more spaces in front of the plant room made up of a heavy stone base finished with either gravel recycled road planings or stone chippings.

We will have enough room to the side of the service road to leave a level grass area (unsurfaced) which could be utilised as overflow spaces if required on busy bank holidays.

Contingency Plans

Should the business be even more successful than we anticipate and the parking laid out as above become insufficient we intent to put the following rules and signs in place so our intentions are clear from the beginning.

During peak periods we will display clear signage at the entrance directing people to the existing car at Gribdale Gate explaining the distance and time it would take to walk or cycle back (see example)

During peak periods we could offer an incentive for people to park at the existing car park at Gribdale Gate. Example, Customers snaps a selfie showing themselves and their car parked at Gribdale. Walk or cycle in and get a free slice of cake or a percentage discount.

To prevent parking on grass verges in the vicinity of the site we are willing to erect NO PARKING signs at our expense from the start of Dikes lane to above Gribdale terrace. Anyone found ignoring these signs will not be welcome as a customer at Cooks Cycle Centre.

NYMNPA

12/07/2019

Dikes Lane

Installation : Proposed New Lighting

Project number : QUO-20263-P9R8M3

Customer : AB Electrical Wholesalers Ltd

Processed by : Nicholas Gwilliam

Date : 02.07.2019

Project description:

Calculation based on standard reflectances.

Room/exterior area dimensions and floor to ceiling/mounting heights issued from wholesaler.

PLEASE NOTE: All room/exterior area dimensions to be checked on-site prior to installation.

Lighting designed to CIBSE guidelines where applicable and/or client requirements, all stated lux values are for overall averages across the room reference plane.

If dimmable luminaires have been specified, then it is the responsibility of the contractor to establish which dimming ballasts/system is required by the lighting control ethos/specification.

Emergency lighting design conforms to BS5266/EN1838 where applicable. Please note that 'points of emphasis' such as locations of fire fighting equipment also require emergency lighting, these locations are to be confirmed by contractor. Please note that the emergency lighting calculation MUST be produced using the emergency lighting calculation facility within this program, failure to use the correct method will show false results.

Building Regulations defines the size of open area that must have emergency lighting is given to any room larger than 60m². Any area smaller than 60m² will still have emergency fittings within them, but will not have an emergency calculation needed. Emergency escape routes or areas of hazard will require 1lx minimum throughout, while open areas will only require 0.5lx minimum throughout.

Location of critical emergency items (Plant or Switch rooms location of task, Reception telephone, First Aid Points, Extinguisher points, Call points, push bars, fire panels, etc.) are not present on issued drawings, therefore higher require lux levels under emergency conditions cannot be design in this stage.

The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

Object : Dikes Lane
 Installation : Proposed New Lighting
 Project number : QUO-20263-P9R8M3
 Date : 02.07.2019

NYMNPA
 12/07/2019

1 Luminaire data

1.1 ANSELL, AMENITY - Vision 3 LED (AVILED/GR)

1.1.1 Data sheet

Manufacturer: ANSELL



AVILED/GR Wall-mounted luminaire AMENITY - Vision 3 LED

AVILED/GR
 Amenity Polycarbonate Ceiling / Wall
 Vision 3 LED
 Supplied c/w Integral Driver
 LED 20W Graphite
 IP65 polycarbonate 3-In-1 LED luminaire for external applications
 Each fitting supplied with plain, louvred eyelid and plain eyelid covers
 Exceeds performance of CFL equivalents
 Four conduit entry points
 Integral die-cast aluminium heatsink provides thermally managed high performance
 40,000 hours average lifetime
 Non-dimmable

- Suitable for external use only
- 5 Year Product Warranty
- IP65

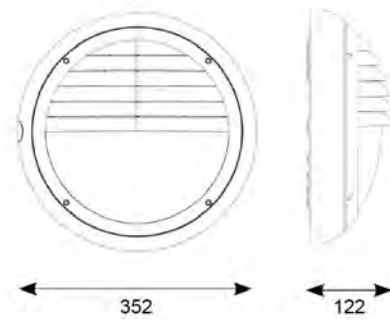
Luminaire arrangement for:

AVILED/GR

AVILED/GR_ :

Position is the LDC position of the luminaire.

Position			Rotation		
x[m]	y[m]	z[m]	Z[°]	C0[°]	C90[°]
0.061	-0.000	0.056	180	0	90



AVILED/GR_

Object : Dikes Lane
Installation : Proposed New Lighting
Project number : QUO-20263-P9R8M3
Date : 02.07.2019

1 Luminaire data

1.1 ANSELL, AMENITY - Vision 3 LED (AVILED/GR)

1.1.1 Data sheet

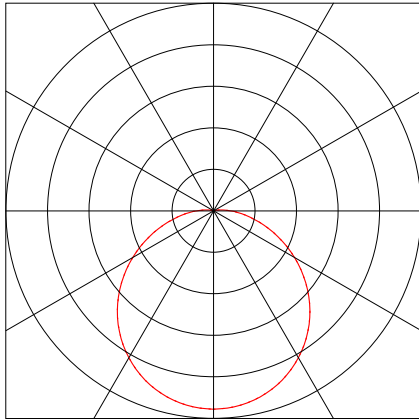
Luminaire data

Luminaire efficiency : 60.725%
Luminaire efficacy : 69.91 lm/W
Classification : A41 ↓97.8% ↑2.2%
CIE Flux Codes : 44 74 92 98 61
UGR 4H 8H : 20.5 / 20.5
Control gear : Electronic ballast
Power : 17 W
Luminous flux : 1188.4 lm

Equipped with

Quantity : 1
Designation :
Colour :
Luminous flux : 1957 lm

Dimensions : Ø352 mm x 122 mm



Object : Dikes Lane
 Installation : Proposed New Lighting
 Project number : QUO-20263-P9R8M3
 Date : 02.07.2019

1 Luminaire data

1.2 ANSELL, AMENITY - Vision 3 LED (AVILED/GR/M3)

1.2.1 Data sheet

Manufacturer: ANSELL



AVILED/GR/M3 Wall-mounted luminaire AMENITY - Vision 3 LED

AVILED/GR/M3

Amenity Polycarbonate Ceiling / Wall

Vision 3 LED

Supplied c/w Integral Driver

LED 20W Graphite

Emergency

IP65 polycarbonate 3-In-1 LED luminaire for external applications

Each fitting supplied with plain, louvred eyelid and plain eyelid covers

Exceeds performance of CFL equivalents

Four conduit entry points

Integral die-cast aluminium heatsink provides thermally managed high performance

40,000 hours average lifetime

Non-dimmable

For emergency operation use luminous flux for emergency light of 180 lumens.

- Suitable for external use only
- 5 Year Product Warranty
- IP65

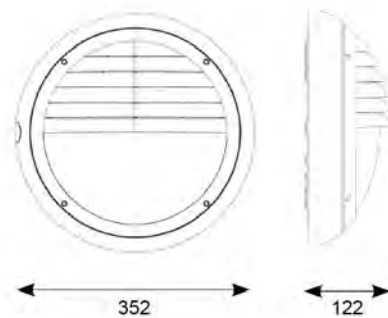
Luminaire arrangement for:

AVILED/GR/M3

AVILED/GR/M3_ :

Position is the LDC position of the luminaire.

Position			Rotation		
x[m]	y[m]	z[m]	Z[°]	C0[°]	C90[°]
0.061	-0.000	0.056	180	0	90



AVILED/GR/M3_

Object : Dikes Lane
Installation : Proposed New Lighting
Project number : QUO-20263-P9R8M3
Date : 02.07.2019

1 Luminaire data

1.2 ANSELL, AMENITY - Vision 3 LED (AVILED/GR/M3)

1.2.1 Data sheet

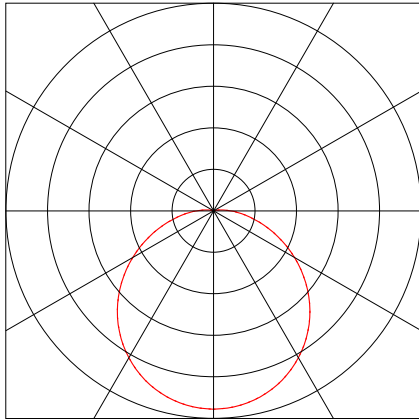
Luminaire data

Luminaire efficiency : 60.725%
Luminaire efficacy : 69.91 lm/W
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UGR 4H 8H : 20.5 / 20.5
Control gear : Electronic ballast
Power : 17 W
Luminous flux : 1188.4 lm

Equipped with

Quantity : 1
Designation :
Colour :
Luminous flux : 1957 lm

Dimensions : Ø352 mm x 122 mm



Object : Dikes Lane
 Installation : Proposed New Lighting
 Project number : QUO-20263-P9R8M3
 Date : 02.07.2019

1 Luminaire data

1.3 ANSELL, AMENITY - Vision 3 LED... (AVILED/GR/M3+SI...)

1.3.1 Data sheet

Manufacturer: ANSELL



AVILED/GR/M3+Sld_Eyld Wall-mounted luminaire AMENITY - Vision 3 LED

AVILED/SG/M3+Sld_Eyld
 Amenity Polycarbonate Ceiling / Wall
 Vision 3 LED
 Supplied c/w Integral Driver
 LED 20W Silver Grey
 Emergency
 Solid_Eyelid
 IP65 polycarbonate 3-In-1 LED luminaire for external applications
 Each fitting supplied with plain, louvred eyelid and plain eyelid covers
 Exceeds performance of CFL equivalents
 Four conduit entry points
 Integral die-cast aluminium heatsink provides thermally managed high performance
 40,000 hours average lifetime
 Non-dimmable

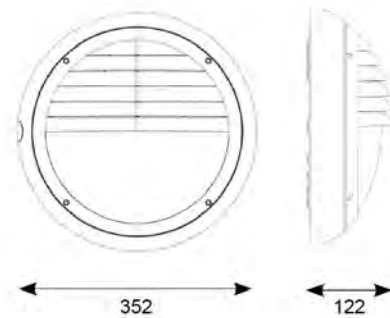
For emergency operation use luminous flux for emergency light of 94.48 lumens.

- Suitable for external use only
- 5 Year Product Warranty
- IP65

Luminaire arrangement for:

	Position			Rotation		
	x[m]	y[m]	z[m]	Z[°]	C0[°]	C90[°]
AVILED/GR/M3+Sld_Eyld_ :	0.061	-0.000	0.056	180	0	90

Position is the LDC position of the luminaire.



Object : Dikes Lane
Installation : Proposed New Lighting
Project number : QUO-20263-P9R8M3
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1 Luminaire data

1.3 ANSELL, AMENITY - Vision 3 LED... (AVILED/GR/M3+SI...)

1.3.1 Data sheet

AVILED/GR/M3+Sid_Eyld_

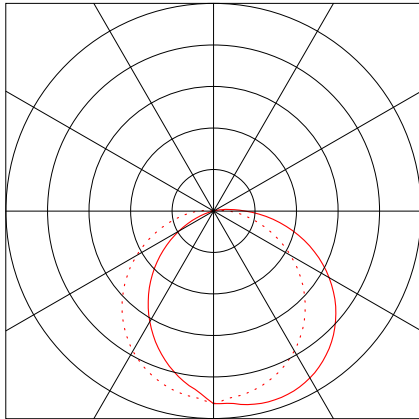
Luminaire data

Luminaire efficiency : 28.405%
Luminaire efficacy : 32.7 lm/W
Classification : A40 ↓98.1% ↑1.9%
CIE Flux Codes : 44 75 92 98 28
UGR 4H 8H : 21.3 / 18.0
Control gear : Electronic ballast
Power : 17 W
Luminous flux : 555.9 lm

Equipped with

Quantity : 1
Designation :
Colour :
Luminous flux : 1957 lm

Dimensions : Ø352 mm x 122 mm



Object : Dikes Lane
Installation : Proposed New Lighting
Project number : QUO-20263-P9R8M3
Date : 02.07.2019

1 Luminaire data

1.4 ANSELL, AMENITY - Calisto AC LED Wall/... (ACLLED/GR)

1.4.1 Data sheet

Manufacturer: ANSELL



ACLLED/GR Ceiling / wall-mounted luminaires AMENITY - Calisto AC LED Wall/Ceiling

ACLLED/GR

AMENITY

Callisto AC LED Wall/Ceiling

No Driver Required

- Modern surface mounted ultra-slim wall/ceiling light
- Die-cast aluminium construction with choice of white or graphite paint finish
- Tamper-proof stainless steel allen key screws
- LED lifespan L70 50,000 hours
- Non-dimmable

- Suitable for both internal and external use
- 3 Year Product Warranty
- AC LED
- IP65

Luminaire data

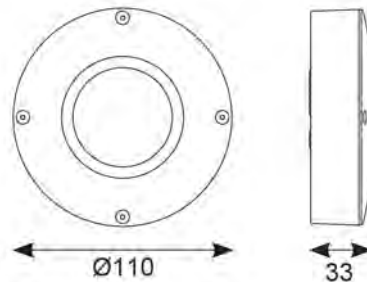
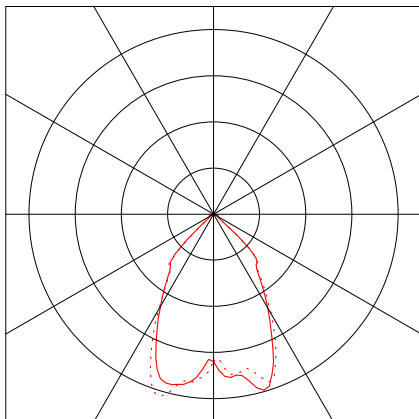
Absolute Photometry

Luminaire efficacy : 45.23 lm/W
Classification : A60 ↓100.0% ↑0.0%
CIE Flux Codes : 82 96 99 100 100
UGR 4H 8H : 20.4 / 20.5
Control gear : Electronic ballast
Power : 4 W
Luminous flux : 180.9 lm

Equipped with

Quantity : 1
Designation :
Colour :

Dimensions : Ø110 mm x 33 mm

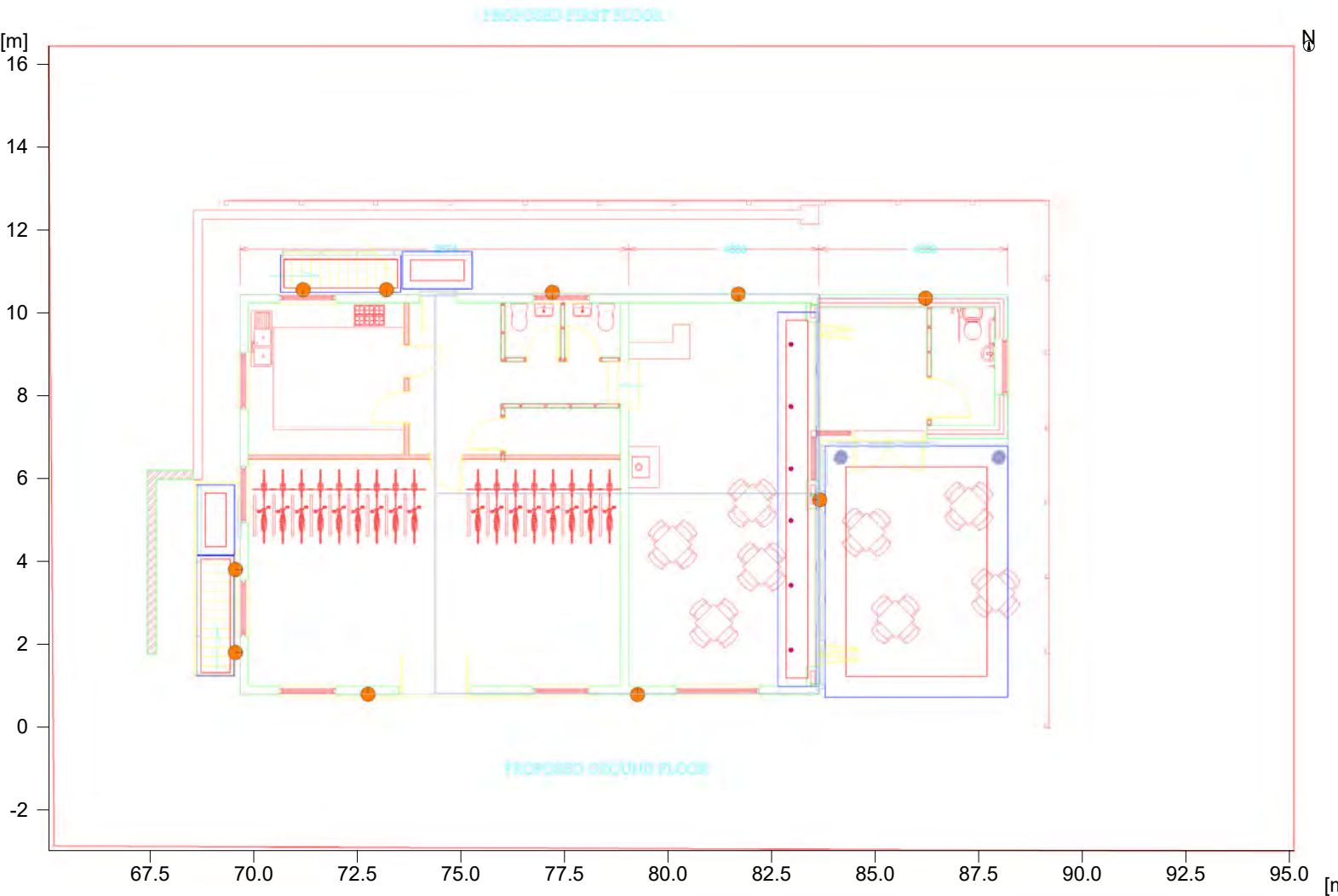


Object : Dikes Lane
Installation : Proposed New Lighting
Project number : QUO-20263-P9R8M3
Date : 02.07.2019

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Floor plan

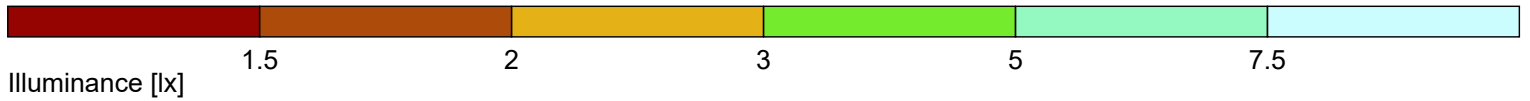
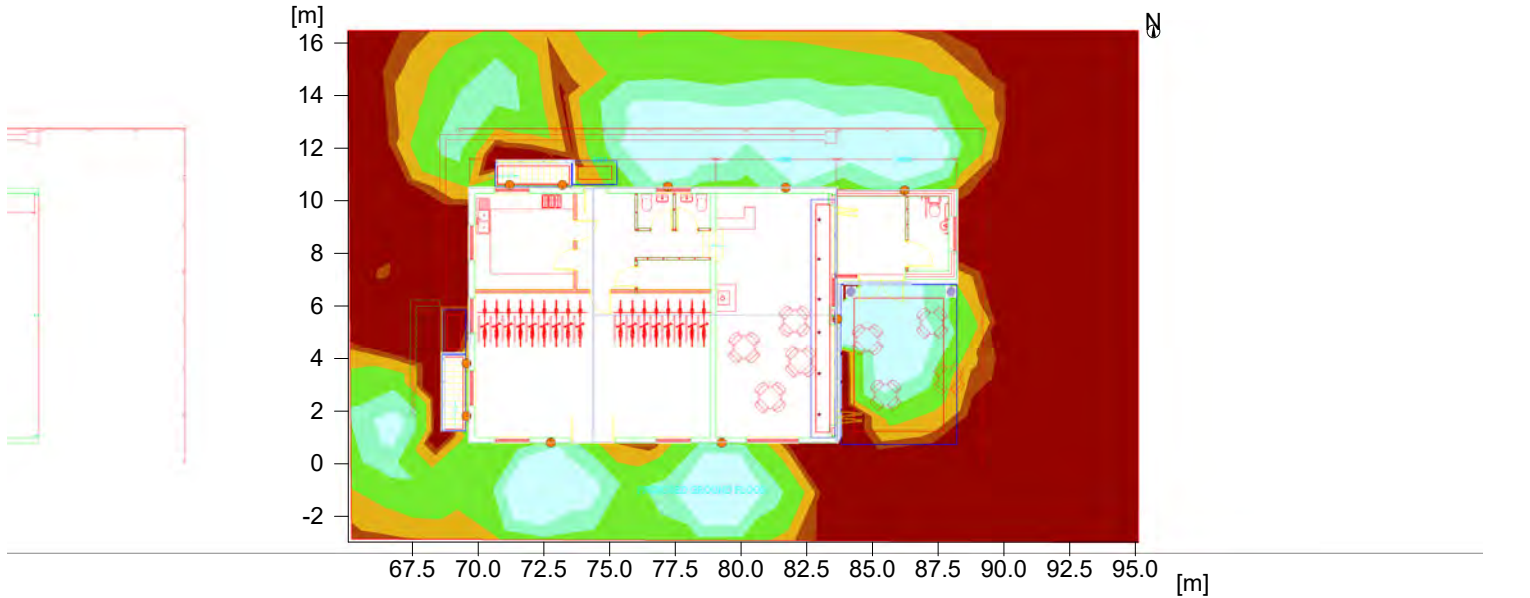


Object : Dikes Lane
 Installation : Proposed New Lighting
 Project number : QUO-20263-P9R8M3
 Date : 02.07.2019

2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Light spill



General



Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux of all lamps	20655.40 lm
Total power	194.0 W
Total power per area (580.27 m ²)	0.33 W/m ² (10.49 W/m ² /100lx)

Light spill

Reference plane 1.1

	Horizontal
Em	3.19 lx
Emin	0.01 lx
Emin/Em (Uo)	0.00
Emin/Emax (Ud)	0.00
Position	0.00 m

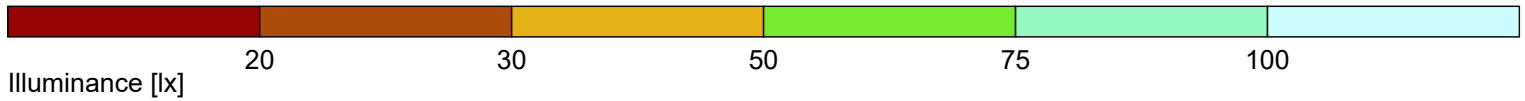
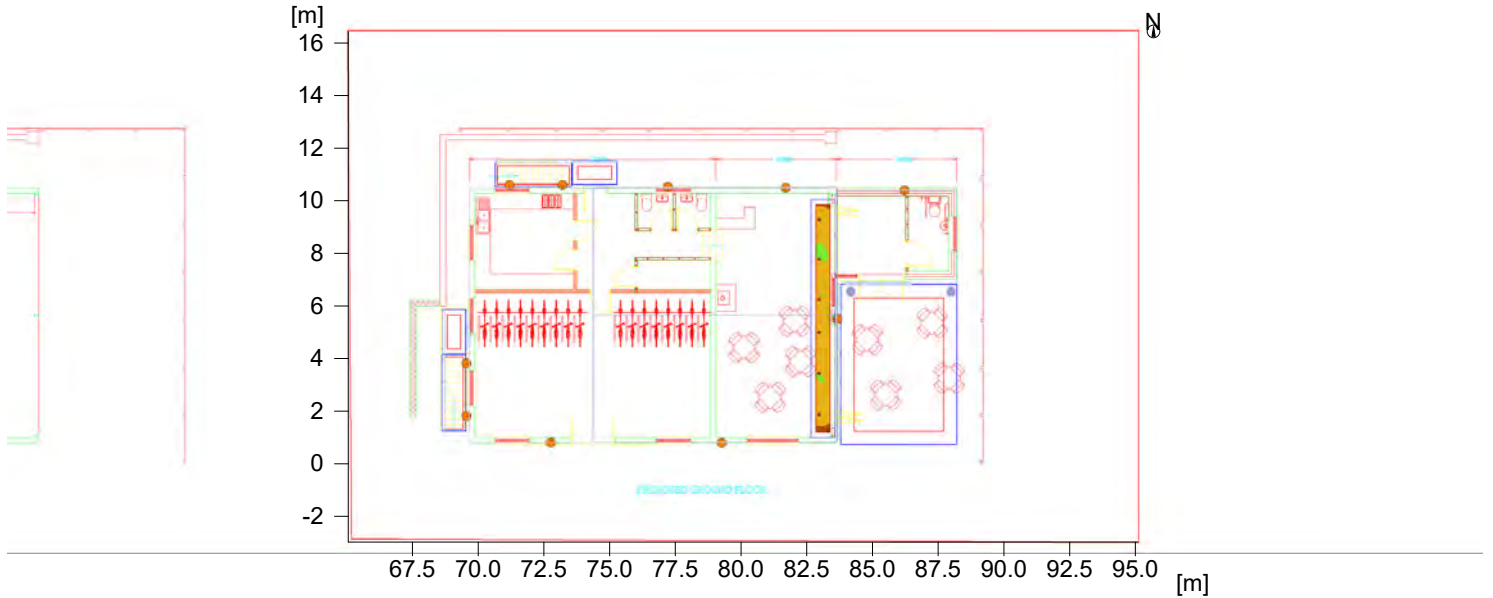
Type No. Make

ANSELL	
3	10
	Order No. : AVILED/GR/M3+Sld_Eyld Luminaire name : AMENITY - Vision 3 LED with : 1 x AVILED/GR/M3+Sld_Eyld_ Equipment : 1 x 17 W / 1957 lm
4	6
	Order No. : ACLLED/GR Luminaire name : AMENITY - Calisto AC LED Wall/Ceiling Equipment : 1 x 4 W / 180.9 lm

Object : Dikes Lane
 Installation : Proposed New Lighting
 Project number : QUO-20263-P9R8M3
 Date : 02.07.2019

2.2 Summary, Exterior 1

2.2.2 Result overview, Balcony



General

Calculation algorithm used	Average indirect fraction
Position	2.68 m
Maintenance factor	0.80
Total luminous flux of all lamps	1085.40 lm
Total power	24.0 W
Total power per area (8.32 m ²)	2.88 W/m ² (6.67 W/m ² /100lx)

Balcony

Reference plane 2.1

	Horizontal
Em	43.2 lx
Emin	19.7 lx
Emin/Em (Uo)	0.46
Emin/Emax (Ud)	0.38
Position	0.00 m

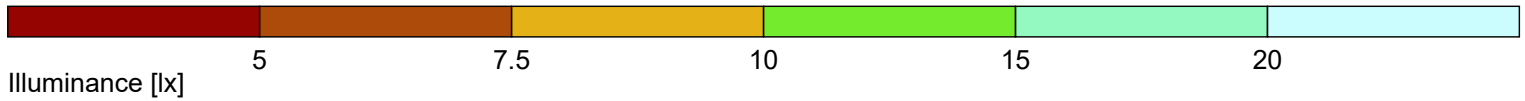
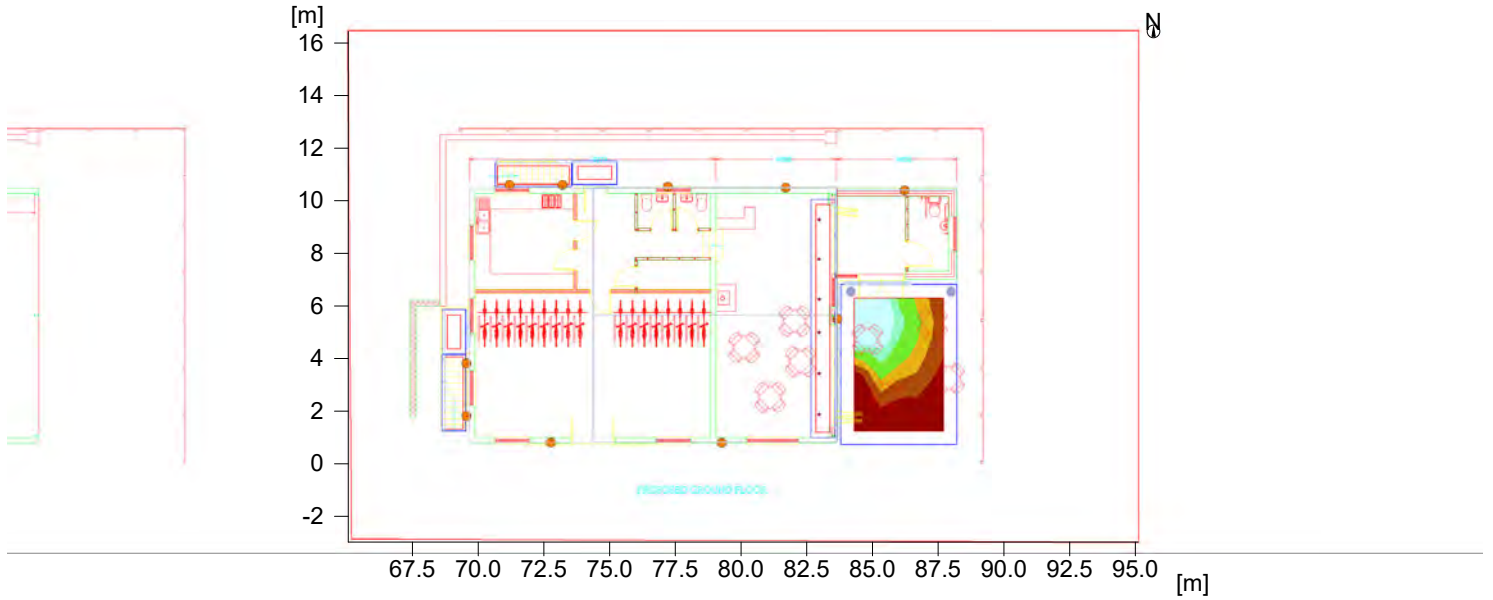
Type No.Make

4	6	ANSELL
		Order No. : ACLLED/GR
		Luminaire name : AMENITY - Calisto AC LED Wall/Ceiling
		Equipment : 1 x 4 W / 180.9 lm

Object : Dikes Lane
 Installation : Proposed New Lighting
 Project number : QUO-20263-P9R8M3
 Date : 02.07.2019

2.2 Summary, Exterior 1

2.2.3 Result overview, Garden



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Garden

Reference plane 3.1

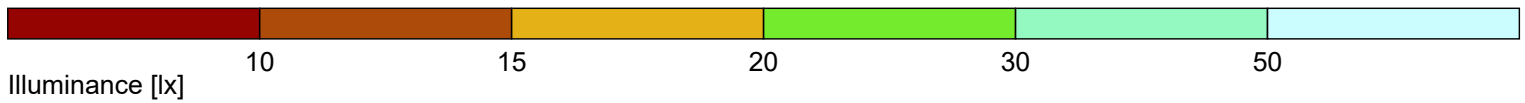
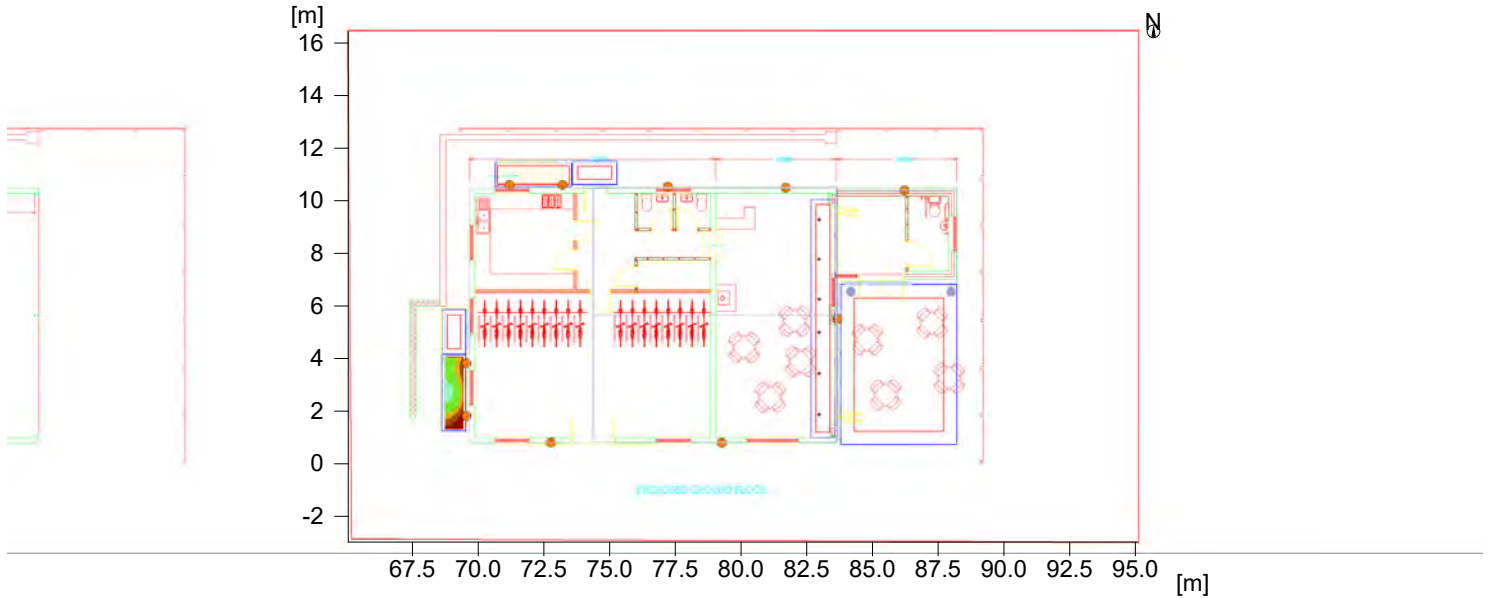
Horizontal
 Em 10.1 lx
 Emin 0.8 lx
 Emin/Em (Uo) 0.08
 Emin/Emax (Ud) 0.02
 Position 0.00 m

Type No. Make

Object : Dikes Lane
 Installation : Proposed New Lighting
 Project number : QUO-20263-P9R8M3
 Date : 02.07.2019

2.2 Summary, Exterior 1

2.2.4 Result overview, Stairs



General

Calculation algorithm used	Average indirect fraction
Position	0.25 m
Maintenance factor	0.80
Total luminous flux of all lamps	1957.00 lm
Total power	17.0 W
Total power per area (3.34 m ²)	5.09 W/m ² (25.97 W/m ² /100lx)

Stairs

Reference plane 4.1

	Horizontal
Em	19.6 lx
Emin	5 lx
Emin/Em (Uo)	0.25
Emin/Emax (Ud)	0.15
Position	-0.00 m (rot: 38.78°/0°)

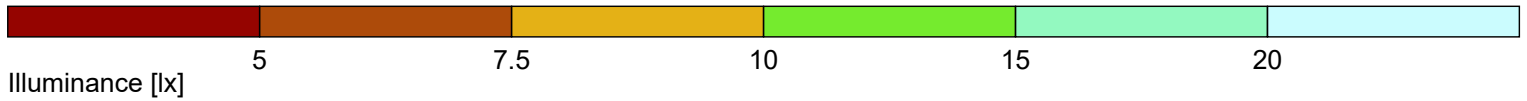
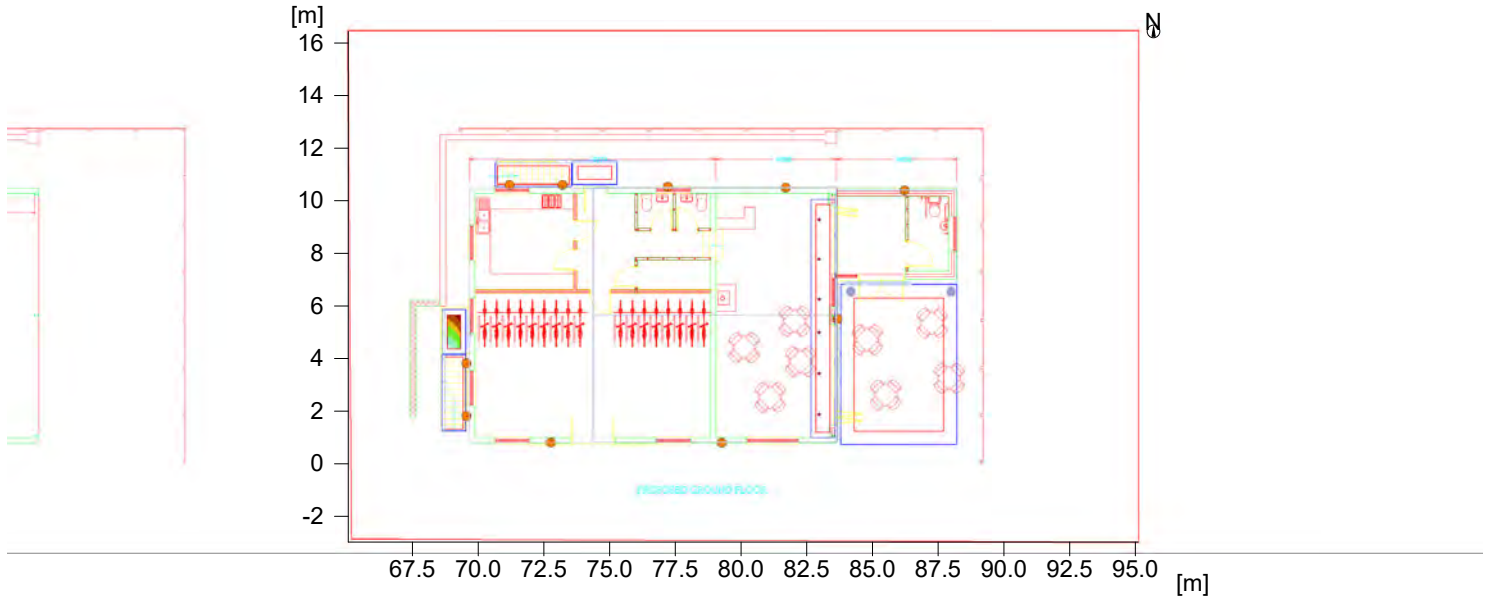
Type No./Make

3 1	ANSELL	
	Order No.	: AVILED/GR/M3+Sld_Eyld
	Luminaire name	: AMENITY - Vision 3 LED
	with	: 1 x AVILED/GR/M3+Sld_Eyld_
	Equipment	: 1 x 17 W / 1957 lm

Object : Dikes Lane
 Installation : Proposed New Lighting
 Project number : QUO-20263-P9R8M3
 Date : 02.07.2019

2.2 Summary, Exterior 1

2.2.5 Result overview, Landing



General

Calculation algorithm used	Average indirect fraction
Position	2.55 m
Maintenance factor	0.80

Landing

Reference plane 5.1

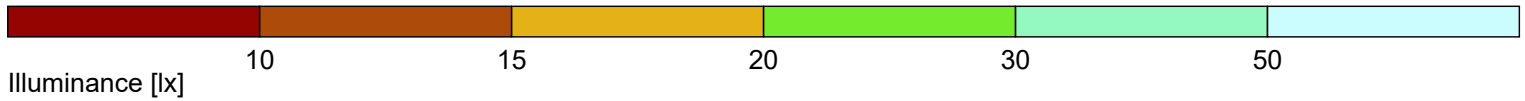
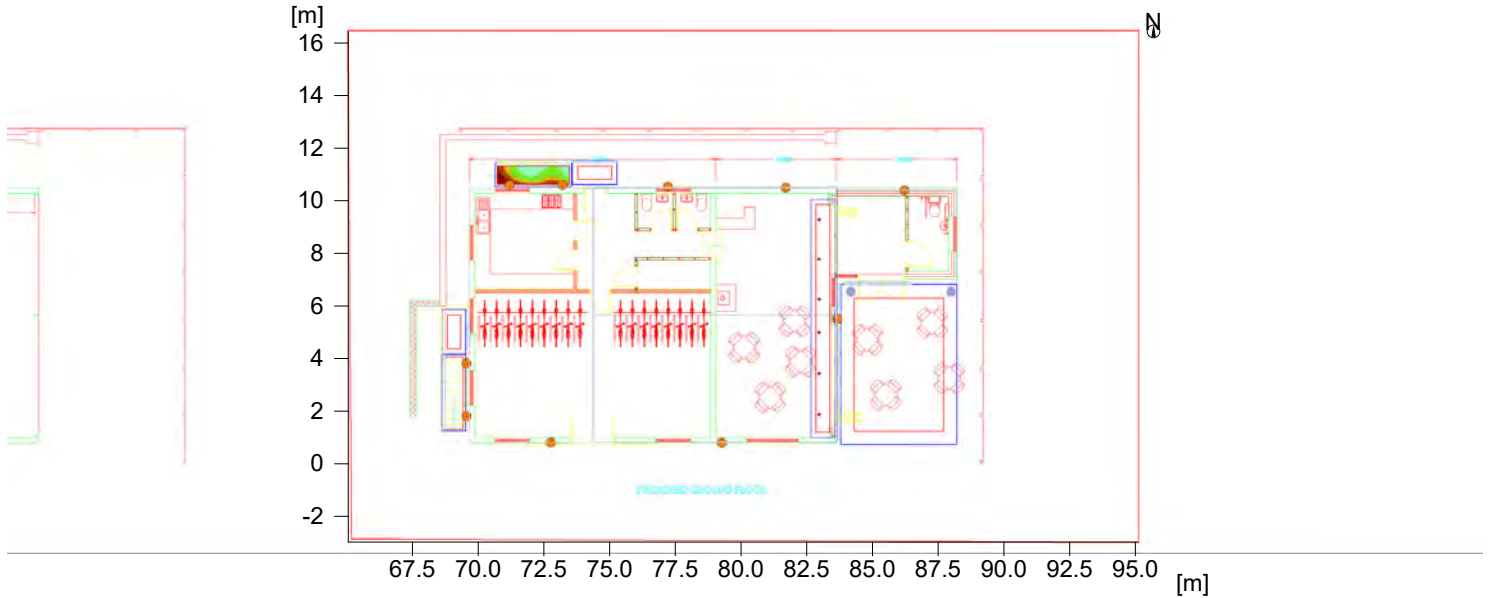
	Horizontal
Em	10.7 lx
Emin	4 lx
Emin/Em (Uo)	0.38
Emin/Emax (Ud)	0.19
Position	0.00 m

Type No./Make

Object : Dikes Lane
 Installation : Proposed New Lighting
 Project number : QUO-20263-P9R8M3
 Date : 02.07.2019

2.2 Summary, Exterior 1

2.2.6 Result overview, Stairs



General

Calculation algorithm used	Average indirect fraction
Position	0.25 m
Maintenance factor	0.80
Total luminous flux of all lamps	1957.00 lm
Total power	17.0 W
Total power per area (3.34 m ²)	5.09 W/m ² (23.23 W/m ² /100lx)

Stairs

Reference plane 6.1

Horizontal	
Em	21.9 lx
Emin	5 lx
Emin/Em (Uo)	0.23
Emin/Emax (Ud)	0.12
Position	0.00 m (rot: 38.78°/0°)

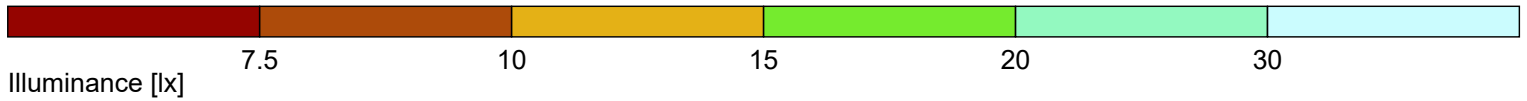
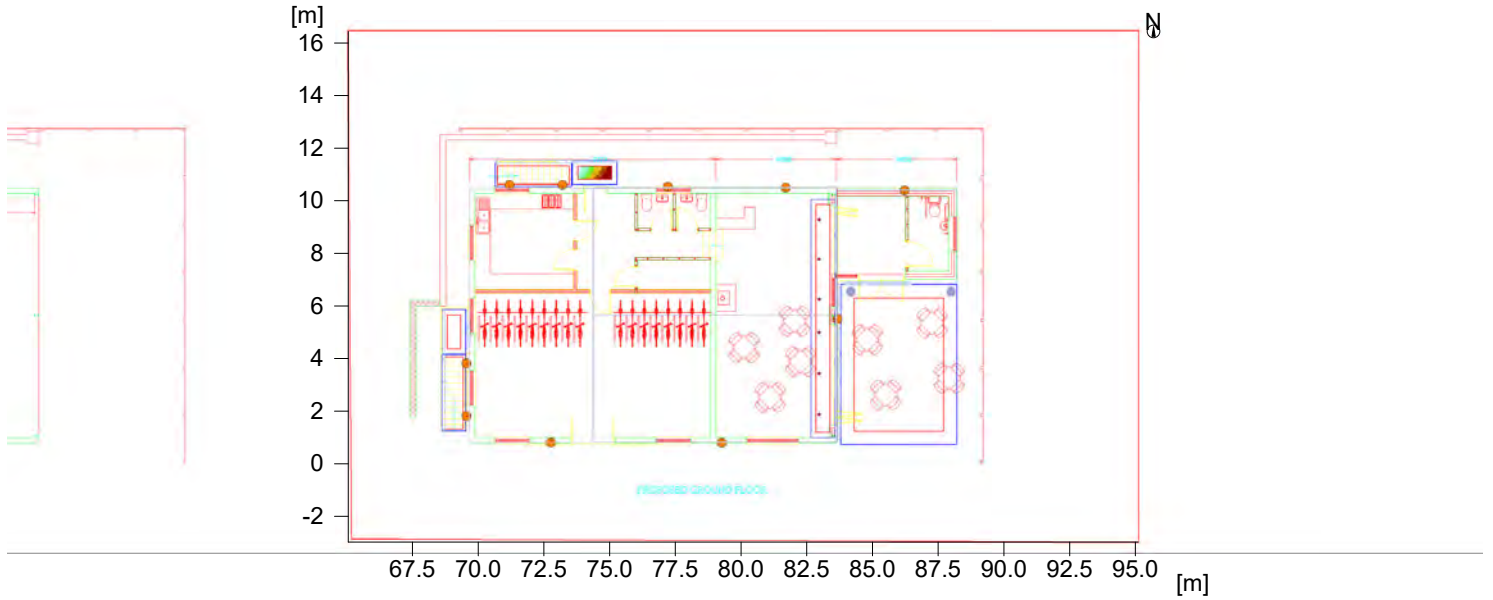
Type No./Make

3 1	ANSELL	
	Order No.	: AVILED/GR/M3+Sld_Eyld
	Luminaire name	: AMENITY - Vision 3 LED
	with	: 1 x AVILED/GR/M3+Sld_Eyld_
	Equipment	: 1 x 17 W / 1957 lm

Object : Dikes Lane
 Installation : Proposed New Lighting
 Project number : QUO-20263-P9R8M3
 Date : 02.07.2019

2.2 Summary, Exterior 1

2.2.7 Result overview, Landing



General

Calculation algorithm used	Average indirect fraction
Position	2.58 m
Maintenance factor	0.80

Landing

Reference plane 7.1

	Horizontal
Em	13.9 lx
Emin	4 lx
Emin/Em (Uo)	0.29
Emin/Emax (Ud)	0.12
Position	0.00 m

Type No./Make

Object : Dikes Lane
Installation : Proposed New Lighting
Project number : QUO-20263-P9R8M3
Date : 02.07.2019

2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 3D luminance, View 1

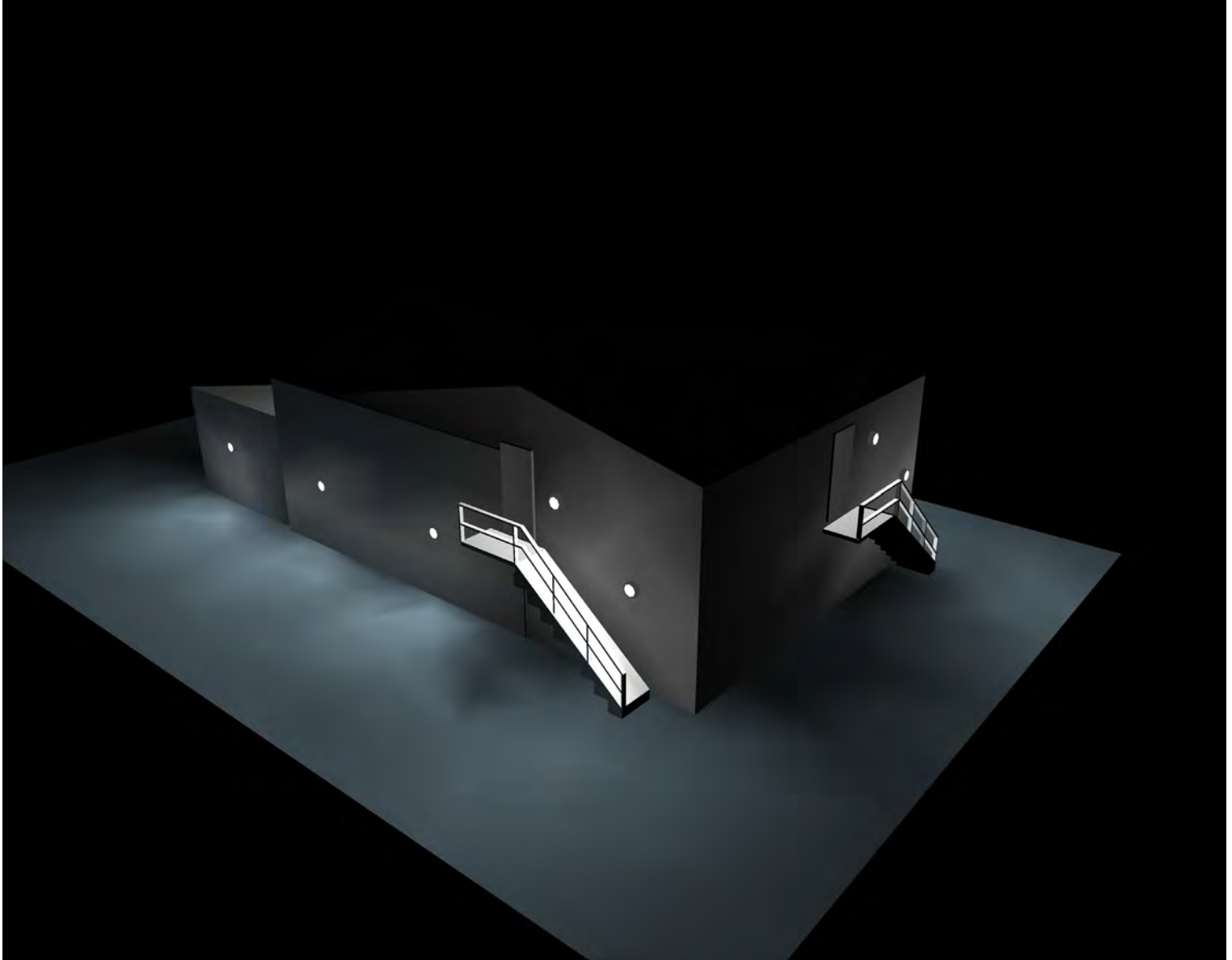


Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 38.9 cd/m²

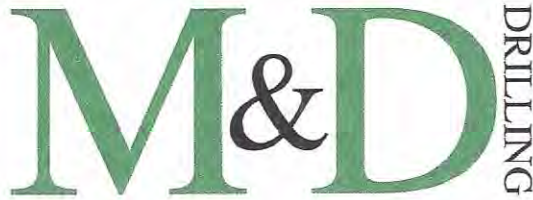
Object : Dikes Lane
Installation : Proposed New Lighting
Project number : QUO-20263-P9R8M3
Date : 02.07.2019

2.3 Calculation results, Exterior 1

2.3.2 3D luminance, View 2



Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 38.9 cd/m²



M & D Drilling Co. Ltd

Domestic & Industrial Water Well Drilling and Pump Installation

14 Park Avenue, Sprotbrough, Doncaster, S. Yorkshire, DN5 7LW

Date: 30th April 2019

Pearsons TV & Appliances
Terry Dicken Industrial Estate,
Station Road,
Stokesley,
Middlesbrough,
TS9 7AE

NYMNPA

12/07/2019

Ref: Borehole for Proposed Dwelling at Grid Reference NZ 578109

Further to our site survey, please find enclosed our quotation for completion of a borehole to supply water to the above site. We have also provided a breakdown of prices including a borehole pump fully installed, and a potable storage tank, distribution system and filtration for removal of iron and manganese if required. **It is possible that the storage tank and filtration equipment may not be required**, we will establish the quality of your water once the borehole construction is complete and the water analysis has been carried out. From the results of the analysis we will then design Stage 3 to provide drinking quality water. We have provided both options under stage three of this quote.

The geological strata of your site consists of clay overburden with underlying Redcar Mudstone, it is almost certain that water will be present in the underlying mudstones and we anticipate using up to 26 metres of steel casing sealed into the mudstone to prevent surface contamination and a drill depth of up to 70 metres. The borehole will then be lined throughout with a WRAS approved well screen. We have drilled other boreholes in the area which have been successful and we would expect a similar prognosis for yourselves.

Our quotation is detailed as follows: -

Stage 1	Borehole construction
Stage 2	Borehole pump and associated equipment
Stage 3	Pressure distribution system and filtration

Stage 1 Borehole Construction

Provision of all necessary plant and equipment, mobilised to site, erected, dismantled and removed on completion. **Total £680 Plus VAT**

The borehole shall be drilled to a diameter sufficient to accept permanent casing of approximately 150mm (6 inches) inside diameter. The quotation also includes for the provision of up to 26 metres of steel casing, which will be cementitiously grouted into the rock head. The actual depth of casing will be decided once ground conditions and depth of overburden are known, i.e following test drilling.

The well shall be drilled to the required depth of up to 70 metres. If insufficient water is found at this depth, further drilling can be carried out to greater depths at no additional cost to a maximum achievable depth. On completion the borehole will be airlifted to remove all drilling debris.

Cost of borehole Construction

£6,368 Plus VAT

It will be necessary in case of ground instability to line the borehole to its full depth; this will be done using WRAS approved well screen at an additional cost of **£840** (i.e. £12.00 per metre) based on a drill depth of 70mtr. The main purpose for installing a second liner is for the long term protection of the borehole pump.

To summarise, a borehole complete with 26mtr of steel casing and 70mtr of well screen would be approximately

£7,888 Plus VAT

PUMP TESTING. As the borehole is for a supply below 20m³ a day then a license application and full test pump will not be required. We will however carry out an operational flow test on the well to ensure that a safe water draw down level is achieved without risk to the borehole pump, this cost is included in the above price. On completion of test pumping a sample of water will be taken for a full chemical analysis and comparison against drinking water standards.

Note: Water analysis can take up to 2 weeks to return from the laboratory

Stage 2 Borehole pump and associated equipment

Your permanent pump will be capable of providing 4mtr cubed per hour, which will be more than sufficient to meet your demands. We should be able to install your permanent pump on an MDPE rising main together with cable, dip tube and well head fittings.

Our quotation for the provision of Electrical and Mechanical Services for the supply and installation of items listed 1-4 below, would be carried out for the sum of:

£ 1,380 Plus VAT

1. Stainless Steel Submersible Pump 4mtr³ per/hour
2. Rising Main, Dip Tube and Cable
3. Heat Shrink Joint
4. Well Head Stainless Steel Fittings

Stage 3 – Pressure distribution system and filtration **No Filtration Required**

In the event that water analysis shows that no contaminants are present that require filtration we can install a direct online system. This system uses the borehole pump as the primary supply and can operate using either a large pressure vessel or a variable speed drive system to control the speed of the pump based on demand. We would however fit an Ultra Violet Sterilisation unit to protect against bacteria.

Our budget price for a fully installed system using variable speed drive would be

£3,500 Plus VAT

Filtration Required

In the event that the water contains contaminants such as iron and manganese and filtration is required then the system is designed differently. Our proposal is to pump water into a 1,400ltr storage tank and then to site using a variable speed drive pump through filtration to site.

Our quotation for the provision of Electrical and Mechanical Services for the supply and installation of items listed 1-9, would be carried out for the maximum sum of:

£4,300 Plus VAT

1. 1,400 litre potable water storage tank
2. 4mtr³ stainless steel transfer pump
3. Motor Control panel, c/w variable speed drive (VSD)
4. Pressure vessel and pressure sensor
5. Level Switches
6. Iron & manganese removal filter
7. Ultra Violet sterilisation unit
8. Stainless Steel Pipe connections and valves
9. Full Installation



Cost Breakdown Summary (Worst case scenario with filtration)

Stage 1	£ 7,888.00
Stage 2	£ 1,380.00
Stage 3	£ 4,300.00

Overall Total £13,228.00 Plus VAT

Cost Breakdown Summary (Without Filtration)

Stage 1	£ 7,888.00
Stage 2	£ 1,380.00
Stage 3	£ 3,500.00

Overall Total £12,428.00 Plus VAT

In addition to the above we respectfully draw your attention to the following, which are excluded from our quotation.

- 1) Building / Plant Room
- 2) External cable from the plant room to the borehole
- 3) External pipe work from the plant room to the mains
- 4) Power supply for the plant room
- 5) Civil Works or excavations

Maintenance

Maintenance is **only required if filtration is installed**. We advise that maintenance will be required on an annual basis, with specific parts replaced to prevent breakdowns. Maintenance generally comprises of the following

Annually

1. Pressure vessel inspected and recharged
2. Pumps inspected
3. Filter head removed and seals replaced
4. Filter pistons cleaned and settings checked
5. Pipe-work inspection
6. Solenoid valve operational check

(Approximately £ 120.00 plus parts)

We trust the above meets with your requirements, If you decide to proceed, based on our current work schedule I would appreciate as much notice as possible. Meanwhile, should you require any further information, please do not hesitate to contact me on

Yours Sincerely

Ralph Burton

Cooks Cycle Centre

Business Plan

NYMNP

12/07/2019

Summary

We plan to convert a redundant equine trekking building situated on the edge of the North York Moors National Park into a modern day equivalent Cycle hire Centre / hub. We would like to provide tourist accommodation in the form of two apartments, Cycle hire shop facilities and a Cafe to provide refreshments for our residents, existing cyclists and walkers who already enjoy visiting the area. Due to the sites great location on the northern edge of the parks with close rail and road links we can offer a gateway into the north of the parks and beyond.

The business will be a partnership between Mark Pearson & Holly Thompson (soon to be Pearson)

Owners Background

Mark was born in the National Park at the family home 200m from the site and is soon to marry Holly originally from Low Easby (2 miles away). We have since bought the house from Marks mum and reside next door to the site with our family. We both love the outdoors and wish to share our knowledge of the local area whilst preserving its beauty & character.

Mark & Holly have both travelled extensively working in the hospitality industry. We wish to draw upon these experiences to offer a great impression to tourists from far and wide. Both of us now manage our own family businesses so are experienced with the skills needed for the project ahead.

Financial Summary

We own the site and intend to finance the development with savings and a bank loan. Should planning be passed we will explore the possibility of any grant money being available but are happy we can manage without it.

Aims

- **First year**

- Building work complete
- Some Bookings for accommodation through existing agents
- Cycle hire shop open and bike hire available , Have enough bikes available to serve the accommodation with surplus offered for hire to public approx. 16-20 bikes
- Cafe open

- **Three years**
- Own website developed negating the need for booking agents
- Forge Links with schools and clubs to cater for small groups. Invest in enough extra bikes to handle extra hires.
- Forge Links with existing cycle hubs to create a hub network within North Yorkshire
- Forge Links with Esk Valley railway to use the railway to help cover longer routes

- **Five Years**
- Own website fully operational to include direct booking for accommodation and Bikes
- Be at full capacity with accommodation
- Established links with schools and clubs
- Established links with other hubs
- Being an established tourist attraction in the North York Moors National Park

Product descriptions

Two, Two bedroom self catering holiday apartments. - Situated above the Cycle hire shop and Cafe. These can be rented separately or together with an adjoining door. Our market research has shown there is demand for larger units to accommodate larger groups or 2 families wanting to share. Offer full week, Fri-Mon & Mon-Sat Stays. Max occupancy 8 people.

Cycle hire. -Offer bike hire, primarily to residents as part of the holiday package also to other tourists on holiday in the area who have pre booked and wish to explore the parks.

As we get established we would like to have working links with local schools and clubs. An example would be to take a mini bus size group, kit them out with correct equipment then take them for a half or full day guided tours.

Cycle shop.- We would like to offer accessories & clothing to compliment cycle hire. Also spares, and ancillary equipment for passing cyclists

Refreshments. - Primarily to cater for guests and patrons of the cycle shop. Serving tea, coffee cakes and snacks. We could offer a dish of the day as for a rewarding meal after a hard days cycling in the park. Secondly, as a rest stop for other cyclists and walkers that are already enjoying using the park.

Guided tours. - Take individuals or groups on different routes depending on ability. Potential to create seasonal employment for local cycling enthusiasts as guides.

Mapped tours. – Create a selection of suggested route maps for both road and mountain bikes. We would like to encompass local tourist destinations and services as much as possible.

An example would be; a family staying with us could hire our bikes, ride to Great Ayton Railway Station (half a mile) catch the train to one of the Esk valley railway stations between Great Ayton and Whitby. Return along the Esk Valley by cycle stopping at tourist attractions such as Moors centre at Danby along the way. The return route would be following sustrans route 165 (then 168) which is part of the sustrans national cycle network and pass's within 2km of the proposed Cycle centre.

Customers.

We anticipate our customers being tourists to the area. Primarily staying in our holiday accommodation but also those holidaying nearby. We already have made an agreement with Angrove Country Park in Great Ayton that they will be able to offer our Cycle hire as an activity to their customers.

We would also like to build links with Schools, Scout and Community groups. To help offer access to the parks for those who may not usually get the opportunity.

We will provide a service to existing cyclists and walkers in our local area to be able to call in for refreshments when passing.

Marketing

We intend to keep customers up to date using social media such as face book and twitter.

We will encourage new visitors for the holiday lets initially using an established letting agent such as Sykes or Yorkshire cottages but look to develop our own website for direct bookings

Cafe. We do not intend to pro actively advertise using newspapers and traditional forms of adverts as a delicate balance of patrons is required. We are not seeking to overload the existing road, rail networks in the surrounding area but merely to provide a service and enhance the experience for those already visiting here and using our cycle hire shop.

Competition

To the best of my knowledge there are only a few similar existing business in the North East.

Dales Bike Centre in Swaledale, Sutton Bike Centre, Rusty Bike at Swainby and the closest and most recent being the Yorkshire Cycle Hub at Danby. We anticipate being a smaller set up than

these examples due to the constraints in the size of our site. However we are keen to develop links with them to encourage tourism and Cycling across the park.

We feel that they are far enough away not to be in direct competition and as each centre covers a very different area of the parks we should in fact complement each other....

Example

A MTB club/group from out of the area or from a different country could arrive at one centre. Spend a few days on the local trails then move from area to area with us sorting logistics of luggage etc etc.

Strengths

- Location at far North edge of park
- Close rail, roads and Airport links
- Location in proximity to Rosberry topping and Captain Cooks monument
- Local knowledge of attractions and trails
- Great background and experience in customer service and hospitality
- it is envisaged that a planned cycle path The Endeavour Way starting in Stokesley and finishing at Great Ayton Station will be soon completed, which should complement the facility

Weaknesses

- Size of site limits potential growth
- No direct access onto a trail without some road work. (Limiting Hire to proficient cyclists)

USP

- Location – Location – Location!

We feel that this project will be a welcome addition to this area of the North Yorks Moors National Park for the very same reasons the National Park was created in the first place.

“helping to protect and conserve it”

-The existing building looks tired and was built in a style not worthy of its surroundings. We seek to reduce the visual impact of the building using natural materials so it blends in and becomes more sympathetic with its surroundings.

“while encouraging people to enjoy and understand how special it is.”

- By forging links with Clubs, Schools and youth groups we may give people the chance to experience enjoy and understand the area who would not normally have the chance.

We will have a positive economic impact. Directly we will give priority to local trades people and suppliers and use local materials and ingredients where ever possible. Priority will be given to local people for employment, both full and part time providing they possess the required skill sets. Indirectly, as you can see from our 3-5 year plan we intend to bring tourists into the park not only for the benefit of our own shop/cafe but also forge links and routes to include existing businesses such as Pubs, Restaurants, tea rooms, shops, Hotels, B&Bs and the ESK valley railway



NYMNPA

12/07/2019

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HIGH PERFORMANCE SEWAGE
TREATMENT PLANTS FOR
RESIDENTIAL, BUSINESS
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The Klargester BioDisc® utilises proven rotating biological contactor (RBC) technology, and this range of larger BioDisc® treatment plants enables Klargester to offer solutions against a much wider range of applications.

All Klargester treatment plants are delivered direct to site and ready to install. The process is self-establishing, and does not require the addition of cultures or chemicals.

Improving environmental standards, more stringent controls, new European guidelines and the introduction of new Building Regulations have placed greater responsibility on specifiers and users to ensure they select the correct treatment system for their application.

Klargester BioDisc® treatment plants have been designed to provide an engineered package solution to meet a wide range of applications and discharge qualities.

ASSURED PERFORMANCE

Klargester's unique patented Managed Flow System has been specifically designed to maintain optimum performance despite shock organic loadings and hydraulic surges.

The detrimental effects of modern disinfectants and cleaning materials are minimised by the managed flow system.



COMMERCIAL APPLICATIONS

Certain commercial applications, such as pubs, clubs, hotels and industrial units, place additional stresses on the wastewater treatment process.

The sewage strength from the cocktail of detergents, cleaners, and chemicals demands a greater treatment capacity than a purely residential application.

In such instances Klargester can advise on the best possible treatment and BioDisc® can meet your requirements efficiently and cost-effectively.

PROCESS DESIGN

BioDisc® uniquely provides four separate treatment zones within a single vessel.

Primary Settlement Section ①:

Wastewater enters the primary chamber. Solids and heavy particles, including non-biodegradable items, settle and consolidate into a sludge which requires periodic removal. Liquid still containing some solid particles rises upwards into the

Primary Biozone ②:

Discs in this area, rotating at approximately two revolutions per minute, allow oxygen to be absorbed into the developing biofilm as naturally occurring bacteria attach to the discs. These discs provide a highly beneficial pre-treatment area.

Get in touch for a **FREE** professional site visit and a representative will contact you within 5 working days to arrange a visit.

Flow Management Device ③: Forward flow is controlled by a baling device attached to the rotor assembly and a pre-determined volume of partially treated waste is transferred into the secondary disc zone. Incoming flows in excess of the baling device capacity stay in the primary area and it is this that creates hydraulic balancing within the plant. Zones 1 and 2 (as above) between them have a balancing capacity equal to approximately 25% of the design flow of the plant and it is this feature that can allow the plant to retain six hours flow in the event of a power failure. **This is now a requirement under the latest Building Regulations Part H2.**

Secondary Disc Zone ④: Flows entering this zone are exposed to a second and separate bank of discs on which grow a further matrix of bacteria. Protected from flow variation and harmful contaminants, the bacteria efficiently use the nutrients in the effluent as a food source.

The rotation of the discs creates a gentle flow path within both disc zones that moves wastewater along the zone and rotation also sloughs ageing or surplus bacteria from the discs creating space for new bacteria to develop.

A key benefit of BioDisc® is that the whole surface area is continually regenerated with new biological growth and that there is constant replenishment as all spent bacteria are flushed into the final settlement zone.

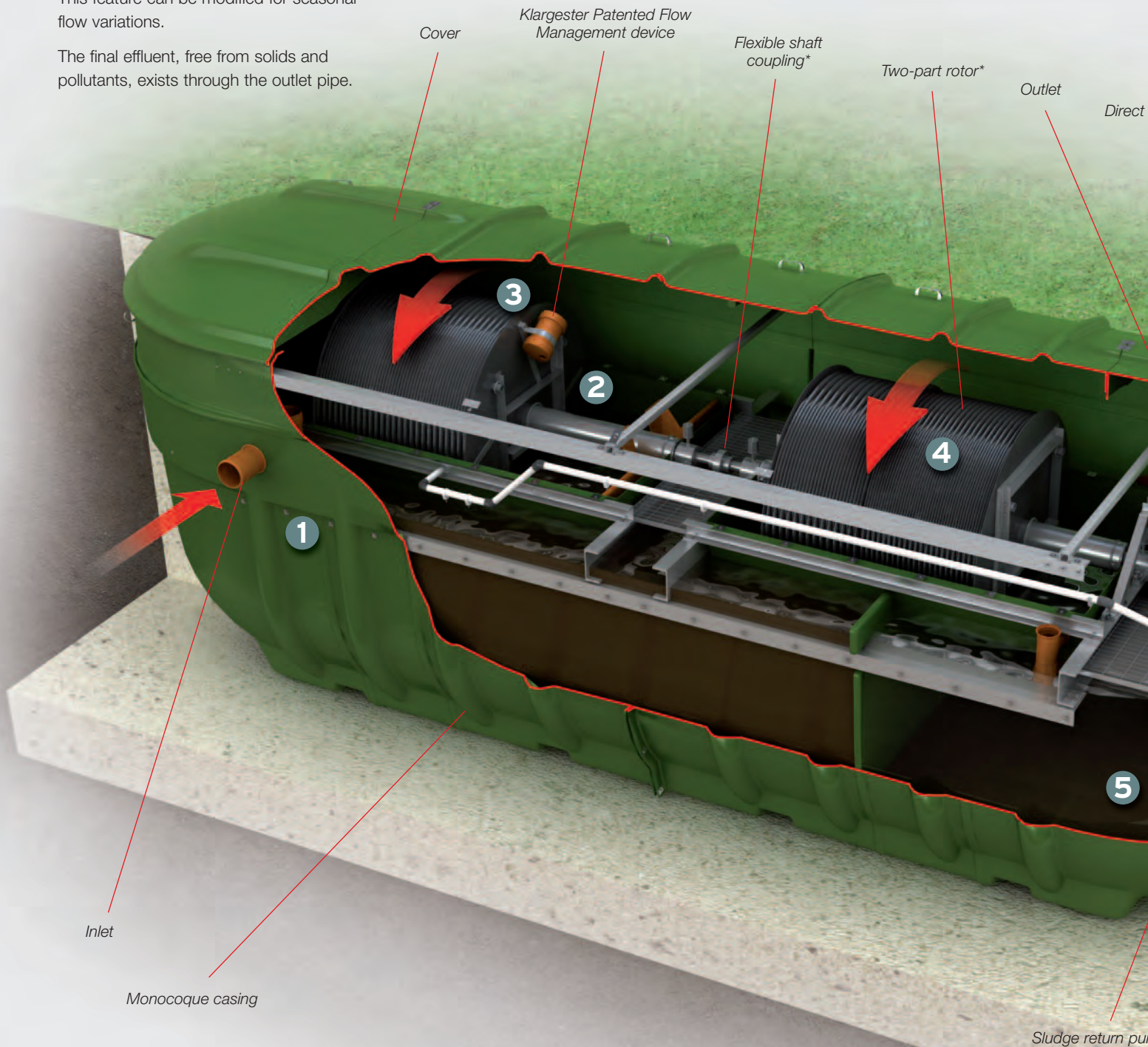
It is often the case with submerged or fixed media treatment processes, that the biological zones become clogged with dead or excessive biological growth, inhibiting treatment and demanding expensive and dirty maintenance.

Final Settlement Zone 5: The almost fully treated effluent, is displaced from the disc area into the final settlement zone. The final settlement zone is fitted with a simple sludge return pump that transfers the settled material from the base of this zone into the primary settlement zone. This improves process performance by protecting the outlet and returning dilute and active biomass into the primary tank. This feature can be modified for seasonal flow variations.

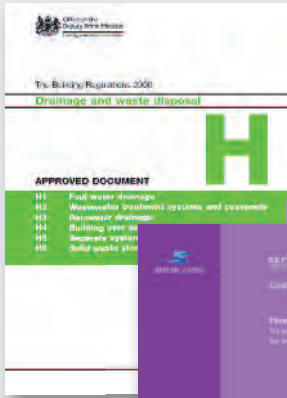
The final effluent, free from solids and pollutants, exists through the outlet pipe.

PROCESS FEATURES

- Klargester Patented Flow Management (KPFM)
- No process maintenance required
- Simple mechanics
- Self generating bacteriological process
- KPFM provides the capability to adjust plant performance
- Compliance with BS EN 12566-3 (BioDisc® BE-BF units only), BS 6297 and Building Regulations Part H2
- Sludge return pump in final settlement tank to enhance performance. Sludge return can be configured to help overcome seasonal flow variations
- No odour or environmental nuisance
- Silent in operation



* BioDisc® BH-BL only.

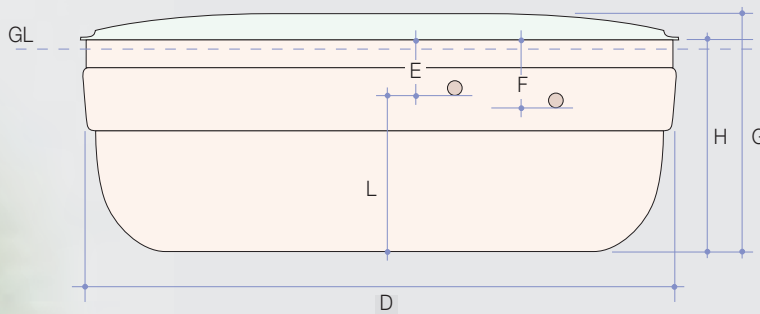


Consistent Effluent Quality

These plant are designed to achieve an effluent quality of 20mg/l BOD, 30mg/l Suspended Solids and 20mg/l Ammonia on a 95% basis. These BioDisc® can also be configured to produce better standards of effluent quality with Ammonia levels as low as 5mg/l being achievable. Contact Klargester for design support and further information.

- The systems are designed to deal with flows up to 3xDWF.
- Applications where commercial catering takes place will generate significant volumes of grease which should not be allowed to enter any treatment system.
- Klargester manufacture a wide range of grease traps and their specialist advice should be sought in these types of applications.
- The treatment of sewage from applications other than domestic housing can often demand special precautions, therefore specialist advice should be sought from Klargester.

STANDARD BIODISC® SINGLE PIECE SYSTEM



Note: Illustration is a schematic, do not use for installation. Refer to customer drawings for true pipework orientation.

The loadings given in the chart below are representative of typical domestic housing applications. The sizing of sewage treatment plant requires specialised knowledge and experience. Please consult Klargester for an assessment of your application.

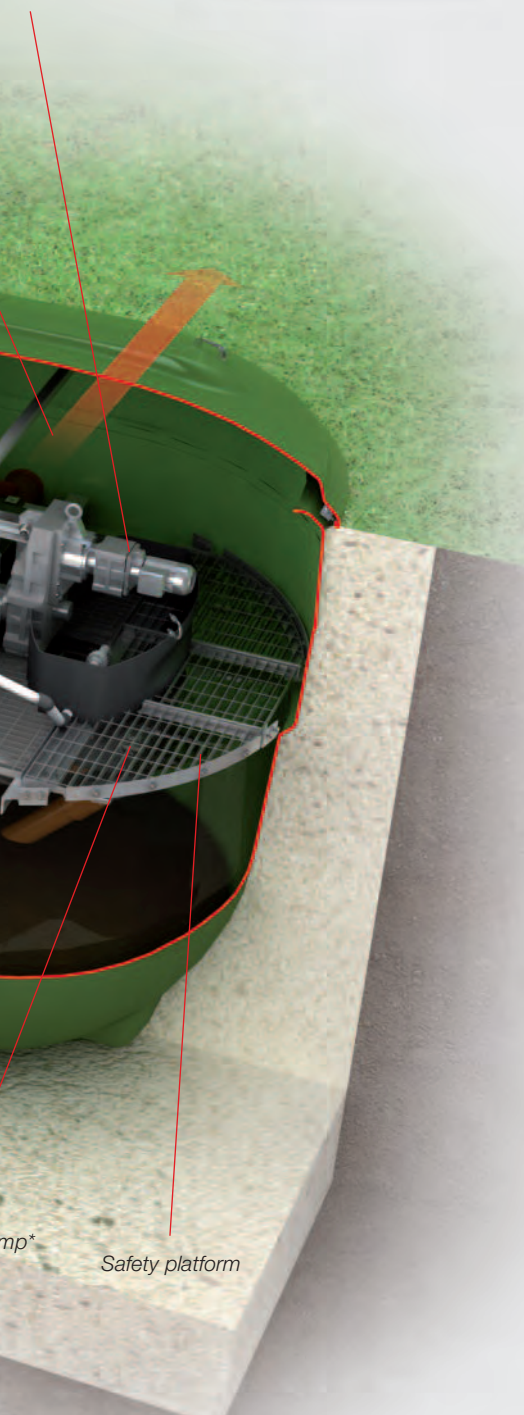
G.L. = Ground Level

UNIT SIZE	BD	BE	BF	BG	BH	BJ	BK	BL
MAXIMUM DAILY BOD (kg)	1.5	2.1	3.0	4.2	4.5	6.0	7.5	9.0
MAXIMUM DAILY FLOW (m ³)	5	7	10	14	15	20	25	30
D LENGTH (mm)	3,340	3,340	4,345	5,235	7,755	7,755	7,755	7,755
WIDTH (mm)	2,450	2,450	2,450	2,450	2,455	2,455	2,455	2,455
E INLET INVERT DEPTH (mm)	600*	600	600	600	600	600	600	600
L DEPTH BELOW INLET INVERT (mm)	1,820	1,825	1,820	1,820	1,790	1,790	1,790	1,790
F OUTLET INVERT DEPTH (mm)	685	685	700	700	750	750	750	750
G OVERALL HEIGHT (mm)	2,825	2,825	2,825	2,875	2,830	2,830	2,830	2,830
H HEIGHT TO RIM OF COVER (mm)	2,485	2,485	2,485	2,485	2,500	2,500	2,500	2,500
EMPTY WEIGHT (kg)	1,100	1,200	1,315	1,660	3,000	3,100	3,200	3,300
STANDARD POWER SUPPLY	1 PHASE	1 PHASE	1 PHASE	1 PHASE	3 PHASE	3 PHASE	3 PHASE	3 PHASE
OPTIONAL POWER SUPPLY	3 PHASE	3 PHASE	3 PHASE	3 PHASE	1 PHASE	1 PHASE	1 PHASE	1 PHASE
MOTOR RATING: 1 PHASE/3 PHASE (watts)	75/60	75/60	120	180	250	250	370	370
FULL LOAD CURRENT 1 PHASE (amps)	1.10	1.10	1.26	1.70	1.95	1.95	2.35	2.35
FULL LOAD CURRENT 3 PHASE (amps)	.035	0.35	0.42	0.63	0.88	0.88	1.35	1.35
SLUDGE RETURN PUMP RATING (watts)	-	-	-	250	480	480	480	480

*Optional invert depth of 1,100mm is available.

Please refer to Klargester for specialist advice for applications where primary settlement tanks or pump stations may be required.

drive motor*



Safety platform

CONTROL PANEL



SAMPLE CHAMBERS



EFFLUENT PUMPSETS

A septic tank or treatment system pumpset can be used to disperse settled effluent when a site has a high water table or adverse invert levels. Installed after the treatment system and pumping settled effluent up to an inspection chamber, flow to the drainage system then takes place by gravity in the normal way.

SAMPLE CHAMBERS

When a treatment plant discharges, it is a regulatory requirement to have a sampling point so that the effluent quality can be periodically checked by regulatory bodies.

Available to suit all outlet depths of our standard ranges, a Klargester sample chamber provides the solution, enabling both quick installation and easy access for accurate and convenient effluent testing.

SAFETY FEATURES

- Low profile lockable covers
- Fully removable covers to ease maintenance, simplify de-sludging and provide a safe working environment without the need for restricted access provision, a requirement of the Confined Spaces Regulations 1997
- Full platform access to motor and bearings
- Secure lockable control panel
- Integrated loss of rotation alarm (optional on BD-BG, standard on BH-BL)

* BioDisc® BH-BL only.

**BioDisc® BH-BL only.
Chain drive on BioDisc® BD-BG.

CONTROL PANEL

The plant are supplied with either a single phase or a three phase direct drive motor and come complete with a control panel and feature:

- inversion device included within the panel*
- single phase power supply to the panel converted within the panel to three phase prior to connection to the drive motor

LOW OPERATING COST

BioDisc® has proven track record for high quality performance, reliability and low operational costs and the new range incorporates features that further enhance that reputation:

- designed to run from either a single phase or 3 phase power source
- require 60 to 370 watt motors, offering the lowest running costs of any plant in their class

DIRECT DRIVE

The disc assembly rotates through the sewage effluent and supports the growth of a biological matrix. When fully loaded with saturated bacteria the disc assembly becomes heavy, therefore both drive and rotor design are critical. Klargester have many years experience in this field and these new products provide a number of new features:

- direct drive motor which is fixed directly to the disc shaft*
- no requirement for chain or belt drive**
- reduced and simplified maintenance

TWO-PART SHAFT

A two-part shaft has been incorporated to simplify maintenance and reduce bearing wear. The new Klargester two-part shaft assembly:

- supports the rotor in four places rather than two
- significantly reduces the load and wear on the shaft and bearings
- features bearings selected for long life
- features bearings fitted with automatic grease capsules that only require annual replacement
- simplifies installation by reducing potential drive alignment and bearing wear problems sometimes associated with long single shaft motors

ROTOR DESIGN

New range includes the well established Klargester rotor design which:

- is compact and structurally sound
- is designed and built for long life without the need for rotor maintenance often associated with sectional bolted rotor assemblies

MONOCOQUE CASING

All BioDisc® in this range utilise the same casing, providing:

- lightweight, yet robust and structurally strong GRP construction for easy on-site handling
- steel cradle integrated into the casing provides stable platform for mechanical components
- factory pre-engineered to exacting Klargester standards, ensuring consistent high quality and eliminating on-site assembly
- full length ports providing quick and easy access for desludging
- 600mm invert depth, with only 150mm head loss through the plant
- variable desludging/emptying cycles

PROFESSIONAL INSTALLERS

Klargester Accredited Installers

Experience shows that correct installation is a prerequisite for the long-lasting and successful operation of any wastewater treatment product. This is why using an installer with the experience and expertise to install your product is highly recommended.



Services include :

- Site survey to establish ground conditions and soil types
- Advice on system design and product selection
- Assistance on gaining environmental consents and building approvals
- Tank and drainage system installation
- Connection to discharge point and electrical networks
- Waste emptying and disposal

Discover more about the Accredited Installers and locate your local expert online.

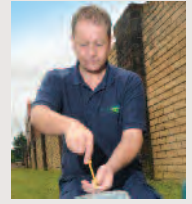
www.klargester.com/installers



CARE & MAINTENANCE

Kingspan Environmental Services

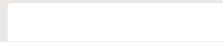
Who better to look after your treatment plant than the people who designed and built it?



Kingspan Environmental have a dedicated service division providing maintenance for wastewater products.

Factory trained engineers are available for site visits as part of a planned maintenance contract or on a one-off call out basis.

To find out more about protecting your investment and ensuring peace of mind, call us on:



or visit us online:

www.kingspanenvservice.com



COMMERCIAL WASTEWATER SOLUTIONS

- **BIODISC®, BIOTEC™ & ENVIROSAFE**
HIGH PERFORMANCE SEWAGE TREATMENT SYSTEMS
- **HILLMASTER** PACKAGE PUMP STATIONS
- **PUMPSTOR24** PUMPING SYSTEMS
- STORMWATER ATTENUATION SYSTEMS
- OIL/WATER SEPARATORS
- BELOW GROUND STORAGE TANKS
- GREASE & SILT TRAPS



NEW BUILD & RETROFIT SOLUTIONS

- BELOW GROUND RAINWATER HARVESTING SYSTEMS
- ABOVE GROUND RAINWATER HARVESTING SYSTEMS

Klargester

UK: College Road North, Aston Clinton, Aylesbury, Buckinghamshire HP22 5EW

Ireland: Unit 1a, Derryboy Road, Carnbane Business Park, Newry, Co. Down BT35 6QH

Visit our website www.klargester.com, or our company website www.kingspanenv.com



Certificate No. FM 563603



Certificate No. OHS 563604



In keeping with Company policy of continuing research and development and in order to offer our clients the most advanced products, Kingspan Environmental reserves the right to alter specifications and drawings without prior notice.

Issue No. 10: April 2013

GREEN MAN TREES

Tree Surgeons & Consultants

26 Arthur Street, Gt Ayton, TS9 6DD



19/05/2019

Mr Mark Pearson
20 Dikes lane
Great Ayton
North Yorkshire
TS9 6HJ

NYMNPA

12/07/2019

RE Site visit Dikes Lane, Great Ayton

Dear Mr Pearson

Following our site visit on Thursday 9th May please find attached as requested:

- Site plan (provided by you) of your proposed development I have detailed species and location of trees.
- Advice in response to the questions raised by the National Parks officer. Letter dated 7th March 2019.
- Arboricultural method statement and tree protection plan.
- Invoice as agreed.
- Quotation for remedial works should you wish to proceed.

We wish you the best of luck with your planned development. Please don't hesitate to contact me with any further questions.

Proprietor

Mr T Bourne

GREEN MAN TREES

Tree Surgeons & Consultants

26 Arthur Street, Gt Ayton, TS9 6DD



Advice in response to the questions raised by the National Parks officer. Letter dated 7th March 2019.

The Large sycamore T2 and horse chestnut T1 are marked for retention provide an arboricultural method statement and tree protection plan.

The Horse Chestnut T1 is situated at the top of a gully, the funnelling south-westerly wind is effecting the semi-mature tree as it is standing alone. The trees trunk has twisted due to geographic location and prevailing wind causing significant splints in the bark down to the heart wood. The leading main stem has snapped out leaving a significant wound. I suggest that due to the trees location and continued exposure to accelerated prevailing wind and that a significant branch has already snapped out, that the tree is managed by sympathetically pruning out damaged limbs and shaping to give the tree a cohesive shape. That the tree, although no frames or brackets present, may be in decline due to the exposed heart wood and potential introduction of pathogens. The branches overhanging the road should be sympathetically reduced to safeguard road traffic/ people and balance the opposite side of the tree where there is predominant growth. I suggest that the tree is managed bi-yearly to keep its size and shape and integrity.

The Sycamores lower two/three years epitomic growth should be removed as it is growing into the side of existing building. All existing lower canopy branches with minor leafed stem ends trimmed to prevent rubbing on said building.

Please see more details In the below method statement.

If wishing to build within 15m of the adjoining woodland, provide a tree survey and arboricultural impact assessment for the National Parks to determine the application.

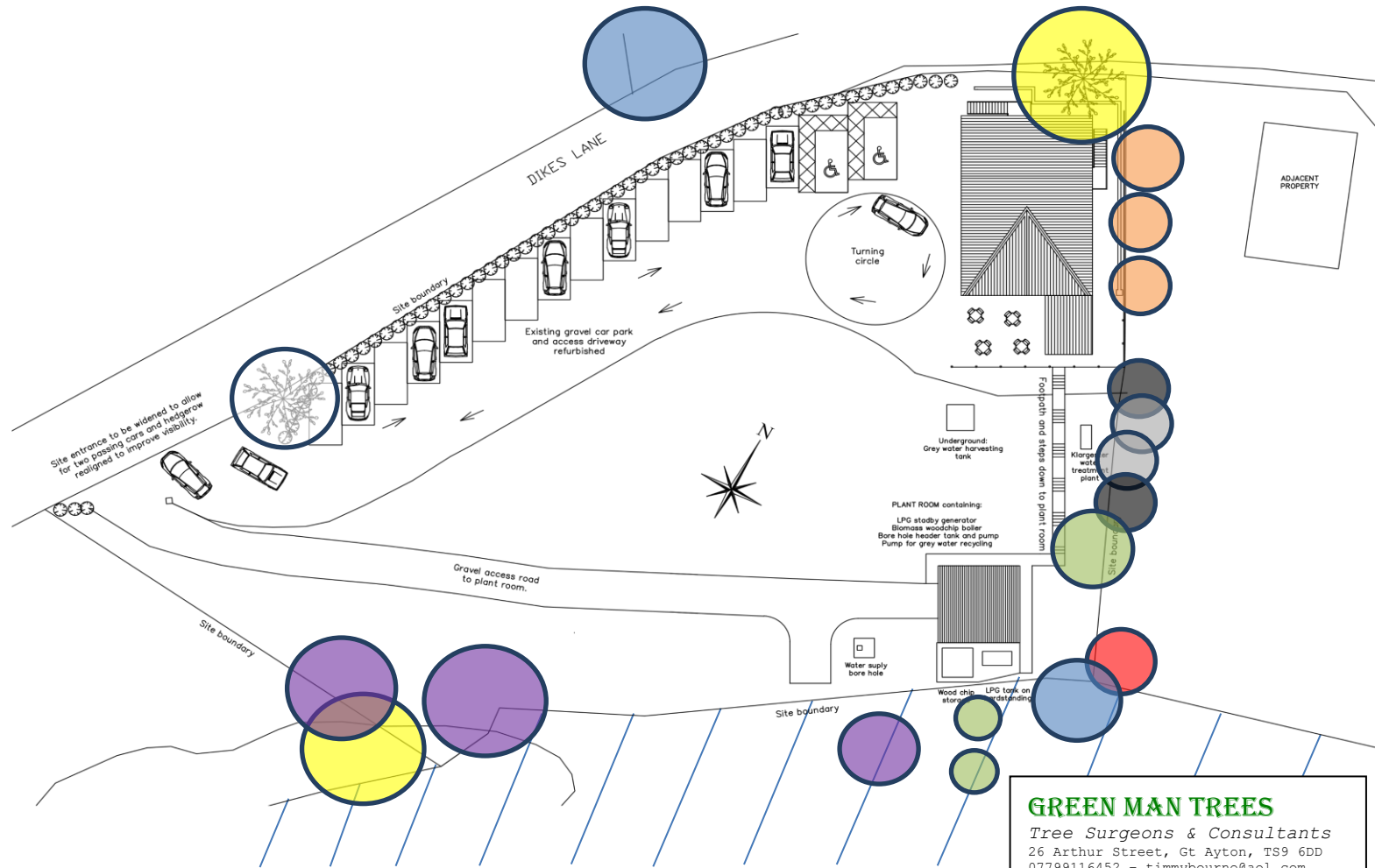
The woodland situated to the south is within 15m of the proposed new Plant room. The woodland is predominantly evergreen Norwegian pine trees with Alder, Hawthorn, and Ash within 15m.

You have informed me that this section of the forestry commission managed woodland is due to be clear felled from the 1st August 2019. Therefore should the Building work commence after the felling there can be no impact on trees that are no longer there. Should the Forestry decide to replant this section of Cote moor Plantation or leave the Alder, Hawthorn and Ash standing I cannot see them being effected either as the base of all the trees in the woodland area are approximately 2 meters lower in elevation than the proposed Plant room foundations. The root system will naturally spread downhill to the small watercourse to the south of the site.

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 07799116452 - timmybourne@aol.com

Ash – Fraxinus Excelsor		Pine – Juniporus	
Whitebeam – Sorbus Aria		Alder – Alnus Glutinosa	
Beech – Fagus Sylvatica		Chestnut - Aesculus Hippocastanum	
Cycamore – Acer Pseudoplatanus		Cote Moor Plantation Forestry Commission	
Hawthorne – Crataegus			
Lime – Tilia Cordata			

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TREE WORK

METHOD STATEMENT & TREE PROTECTION PLAN

for

(Land at Dikes Lane, Great Ayton)

GREEN MAN TREES

Tree Surgeons & Consultants

26 Arthur Street, Gt Ayton, TS9 6DD



CONTENTS

1. General Method Statement
2. Health and Safety
3. Associated Documents
4. Management Structure
5. Training
6. Communications
7. Site Access
8. Work Procedures
9. Tools and Personal Protective Equipment
10. Depot
11. Plant and Machinery
12. Transport
13. Environmental Policy
14. Job Specific Method Statement, Contact Sheet and Best Practice Guidance

GREEN MAN TREES

Tree Surgeons & Consultants

26 Arthur Street, Gt Ayton, TS9 6DD



1. General Method Statement

Green Man Trees undertake tree work for Mr Mark Pearson of Cooks Cycle Centre. The work entails the cutting of trees in, and generally, but not always the disposal of arisings from Land at Dikes Lane, Great Ayton

The works are carried out in a wide variety of locations including, but not limited to parkland, domestic gardens, public roadways, public pathways, industrial facilities etc.

The work is carried out by skilled, trained and competent individuals working in groups of not less than two and usually three or more at the work site as dictated by a task/job risk assessment.

All works procedures incorporate safe systems of working and form part of the internal quality control. These include the Arboricultural & Forestry Advisory Group (AFAG) guidelines published by the HSE and the Guide to Good Climbing Practice and Guide to use of MEWPS in Arboriculture published by the Arboricultural Association.

Green Man Trees expect all clients to comply with the statutory requirements of Health and Safety Legislation and inform us of all known hazards and risks that may affect their health and safety whilst at the client's location.

The tree works are potentially hazardous by nature. The training in work procedures, safe systems of working and management systems ensure that the works are completed in a safe manner.

2. Health and Safety

All Green Man Trees employees have received basic health and safety training applicable to their responsibilities. Training records are held at Green Man Trees office in each employee's personnel file. The health and safety policy indicates the way that Green Man Trees manages health and safety. All employees are empowered to take whatever action they deem appropriate to ensure the health and safety of themselves, their work colleagues and others that may be affected by their actions or the actions of others.

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3. Associated Documents

This method statement should be read in conjunction with the following documents:

- 1 Green Man Trees Health and Safety Policy.
- 2 Green Man Trees Personnel Manual & Disciplinary Procedures.
- 3 Green Man Trees (COMPANY WORK PROCEDURE)
- 4 Green Man Trees Generic and Site Risk Assessments.

4. Management Structure

Green Man Trees operations are under the control of the Proprietor based at 26 Arthur Street, Great Ayton, TS9 6DD. All field operatives are under the direct control of the Foreman on site. All operatives are trained and skilled in their respective work. Work at the site is allowed only when a Foreman and at least one other operative is present. Some works require at least three team members present. Specific detail is given in the works instructions.

5. Training

All Green Man Trees employees receive training appropriate to the task that they will undertake. The training requirements and objectives are detailed in the employee manual and are guided by AFAG 805. All employees are supervised to ensure the correct methods of working are used during site operations and regular Site Safety Audits are undertaken to monitor the use of these systems. Further training is identified during regular staff job reviews and recorded on staff profile sheets. The standard staff training includes: HSE Approved First Aid to at least Emergency Aid; Manual Handling Training, Lantra Awards integrated training and Assessment (ITA) for machinery including brushwood chippers and stump grinders, NPTC Certificates of Competence for chainsaw use, aerial rescue and safe tree climbing.

6. Communications

Continuous communication between site operations, Green Man Trees office and the client is vital at all times. Each Team Leader is equipped with a mobile telephone to ensure that this contact is maintained. Operational instructions may be by any means, e.g. verbal, written or electronic. The Foreman is required to maintain communication with landowners and site occupiers. Mobile telephones are used as emergency communications and when working in areas with no mobile coverage the Risk Assessment will be reviewed to provide alternative means of communication.

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7. Site Access

Green Man Trees expect all clients to provide whatever information and supervision is necessary to ensure the safety of their employees during all site works. Work is generally carried out on weekdays between 7.30 a.m. and 6.00 p.m. weather and available daylight permitting. Alternative work patterns will be arranged directly with clients, site owners, occupiers or others, should it be required. Due to the nature of the work and the locations visited, health and safety arrangements for safe access and egress will be assessed at the work site in conjunction with the clients and owners or occupiers.

8. Work Procedures

All works are undertaken in accordance with the procedures contained within Arboricultural & Forestry Advisory Group (AFAG) guidelines published by the HSE and the Guide to Good Climbing Practice and Guide to use of MEWPS in Arboriculture published by the Arboricultural Association. These procedures are monitored and reviewed to incorporate up to date knowledge and experience as necessary. Clients' own health and safety standards and procedures can take precedence when they are of an equal or higher standard.

9. Tools and Personal Protective Equipment

All tools and personal equipment in use by field operatives are regularly inspected by the Foreman and during site and supervisory visits. All field operatives are understanding instructions to replace faulty equipment immediately.

10. Depot

Green Man Trees Main Office is located in 26 Arthur Street, Great Ayton, TS9 6DD. This includes office, workshop, parking of vehicles, and other associated material for the purpose of arboriculture operations.

11. Plant and Machinery

Plant and machinery operating instructions are included in the operations procedures. These procedures include inspections prior to use and operational testing. All plant and machinery is regularly inspected by the team leader and during quality and supervisory visits. Faulty equipment is withdrawn from service and repairs undertaken prior to return to field operational use.

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26 Arthur Street, Gt Ayton, TS9 6DD



12. Transport

Green Man Trees provide vehicles suitable for the use that will be made of them. Generally these vehicles are Peugeot Vans equipped with sufficient storage space for small items of plant and equipment. The vehicles are equipped with towing facilities for woodchipper machines or general-purpose trailers. The vehicles are under the control of the team leader and are regularly inspected both during field operations and during site and supervisory visits. The vehicles are regularly maintained and meet the requirements of road traffic legislation. The weight limits and towing capacities of any vehicle combination is the responsibility of the team leader. Vehicles are only driven on and off site by operatives holding a current and relevant UK driver's licence.

13. Environmental Policy

Green Man Trees will endeavour to minimise disruption to the natural environment in which they work. All works undertaken, by their very nature, will cause some change to the local environment. Green Man Trees operate in a way that minimises the effects of their work on the local environmental infrastructure.

GREEN MAN TREES

Tree Surgeons & Consultants

26 Arthur Street, Gt Ayton, TS9 6DD



METHOD STATEMENT

Site address	26 Arthur Street, Great Ayton, TS9 6DD
Description of works	Remedial works to horse chestnut to reduce risk to highway users. Protect sycamore from contact with building by removal of overhanging branches.
Site Personnel	Tim Bourne (F)Forman(fa) Tony Woodlite
Date/s and time of works	Subject to Planning permission, after 8:00 and before 20:00
Duration:	Approx 2 days
Emergencies:	Appropriate staff are trained in emergency procedures including aerial rescue. Staff competent in aerial rescue and rescue climbing equipment are provided at all work sites. The staff on site will have at least one mobile telephone.
First Aid:	A squad first aid kit will be carried in all the vehicles used for these works. If individual staff are working more than 30m from a vehicle they will have a personal first aid kit. If the squad is working more than 30m from the vehicle the first aid kit will be positioned at Peugeot Van Tree climbers carry personal first aid kits. At least two members of staff on site will have completed a course as a nominated First Aider.
Vehicles:	Peugeot Van
Plant:	Peugeot Van
Hand tools:	Chainsaws, handsaws.
Staff:	These works will be carried out by staff experienced in this type of work. All staff have received chainsaw training to N.P.T.C. (CS30, 31, 38, 39, 41) as a minimum or are working under the supervision of trained staff. There will be a minimum of two people on site at all times.

GREEN MAN TREES

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26 Arthur Street, Gt Ayton, TS9 6DD



Method:	Tree climbed and dead wood and existing wounds tidied. Outer branches pruned with long neck hand held pruners and where required telescopic chainsaw on thicker limbs back to appropriate union.
Site risk assessment:	<p>The team leader will complete an onsite risk assessment on the day to take account of the weather and any change of circumstances during the operations, brief the squad and review daily or in the event of significant site changes.</p> <p>The team leader will be responsible for ensuring the health and safety of everyone within the working area or who may be affected by the works.</p>
Risk prevention	<p>Staff trained and certificated with a minimum experience of 6 months or under direct supervision of team leader.</p> <p>Signing and organisation of the works to notify those at risk in advance and during the works, and/or organise works to avoid busy times of day.</p> <p>Site risk assessment to assess daily site hazards i.e. weather affecting visibility of the works and awareness of third persons.</p> <p>Equipment will be well maintained and in safe working order.</p> <p>Keys will be removed from wood chippers and other plant when it is unattended.</p> <p>Keep the minimum amount of fuel on site at any time: transport enough fuel for one day's work and keep fuel away from buildings, etc when refuelling or storing.</p>
PPE:	<p>Staff will have the following personal protective equipment:</p> <p>When using chainsaws:-</p> <ul style="list-style-type: none"> Chainsaw protective trousers (climbers to have type C). Helmets complete with eye protection and hearing protection. Chainsaw protective boots with steel toe caps. Gloves (optional) Reflective Vests (Not for tree climbers) <p>Other PPE may be necessary dependent upon risk assessment</p>

CONTACT SHEET

Site:.....

Job Number:.....

GREEN MAN TREES

Tree Surgeons & Consultants

26 Arthur Street, Gt Ayton, TS9 6DD



	Company Name	Individual	Address	Emergency Phone no.
Client				
Main Contractor				
Main Contractor (on site foreman)				
Sub-Contractor				
Sub-Contractor (on site foreman)				
Site Agent/ Manager				
Local Authority Tree Officer				
Local HSE Office				

GREEN MAN TREES

Tree Surgeons & Consultants

26 Arthur Street, Gt Ayton, TS9 6DD



Safe Methods of Work.	The relevant HSE Arboricultural and Forestry Advisory Group Leaflets are as follows:		
	AFAG/FISA No.	Title	Relevant (Tick)
	103	Planting	
	104	Fencing	
	105	Hand held Power Posthole Borer	
	201	Hand Tool Weeding, Brashing and Pruning	
	202	Application of Pesticides by Hand Held Equipment	
	203	Clearing Saw	
	204	Flails & Mulchers in Tree Work	
	301	Using Petrol Driven Chainsaws	
	302	Basic Chainsaw Felling and Manual Takedown	
	303	Chainsaw Snedding	
	304	Chainsaw Cross Cutting & Manual Stacking	
	306	Chainsaw clearance of Windblow	
	307	Chainsaw Felling of Large Trees	
	308	Top Handled Chainsaws	
	310	The Use of Winches in Directional Felling and Takedown.	
	401	Tree Climbing Operations	
	402	Aerial Tree Rescue	
	403	Mobile Elevating Work Platforms (MEWPS) for Tree Work	
	404	Electrical Utility Arboriculture	
	501	Tractor Units in Tree Work	
	604	Wood Chippers	
	606	Mobile Stump Grinders	
	702	All Terrain Vehicles	
	703	Debogging and Recovery of Forest Machines	
	704	Excavators in Tree Work	
	802	Emergency Planning	
	804	Electricity at Work: forestry and arboriculture	
	805	Training and Certification	
	Other applicable Best Practice Guidance as issued by Arboricultural Association.		
Guide to Good Climbing Practice			
Guide to the use of MEWPS on Arboriculture			
Method statement completed by:			
Checked by:			
Date:			

GREEN MAN TREES

Tree Surgeons & Consultants

26 Arthur Street, Gt Ayton, TS9 6DD



Cooks Cycle Centre

NYMNPA

12/07/2019

Code of conduct

We live and work in a beautiful part of the world maintained by Farmers, Landowners, Volunteers & the NYMNP. We need visitors to us to respect the hard work these people do, your surroundings and the other people who you may meet along the way.

To ensure you have been reminded of this we ask you to read and sign this code of conduct. Anyone found to be not adhering to the below points will not be welcome at Cooks Cycle Centre again.

-No Litter

-Stick to signed public rights of way. – No Sign= No Entry

-Give way to traffic and farm machinery

- Keep noise to a minimum

-Dogs on leads at all times







- Cyclists must wear Helmet and high Vis provided & Follow the Highway Code.

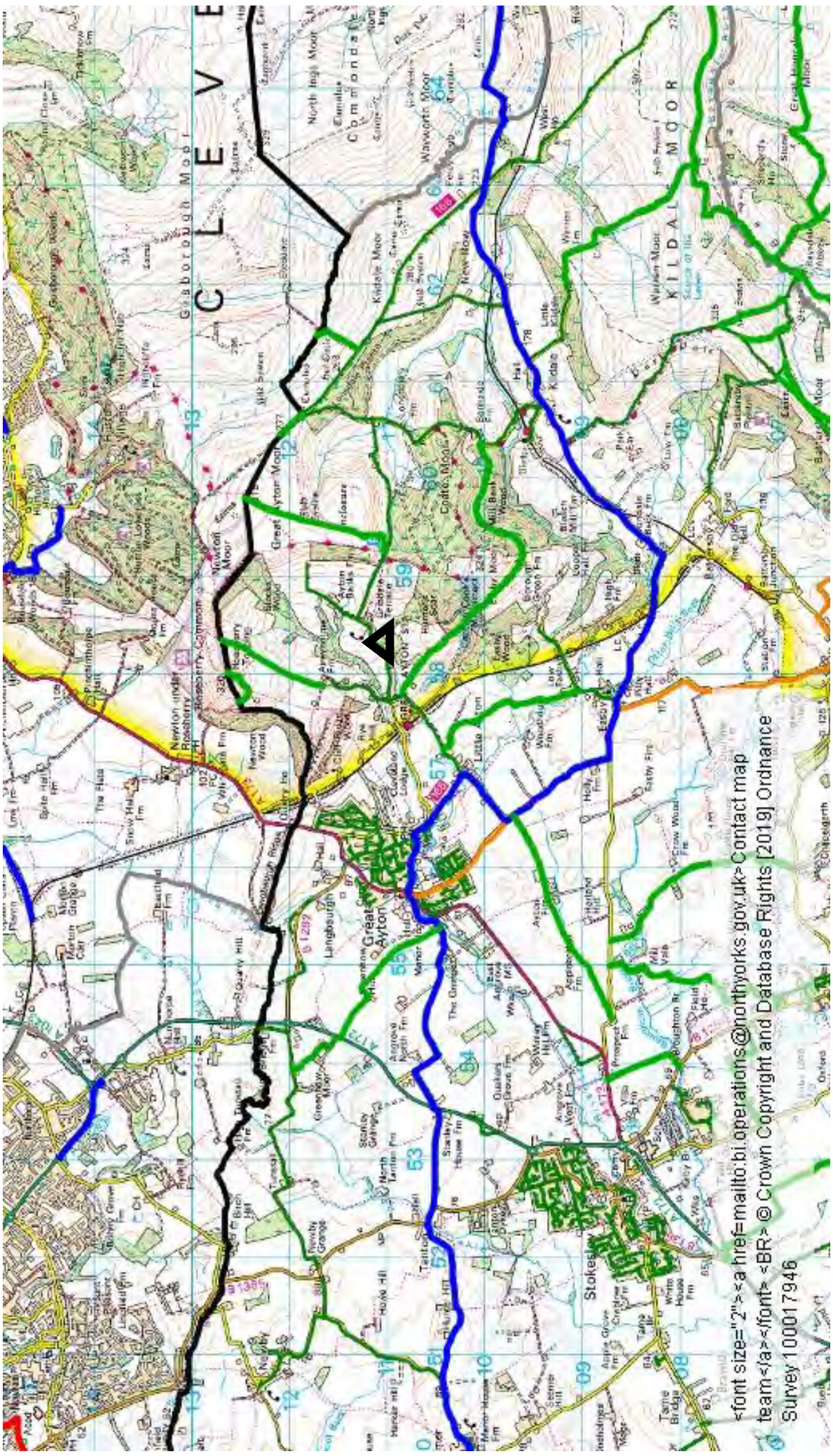
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Signed

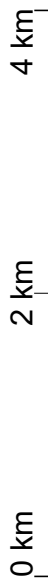
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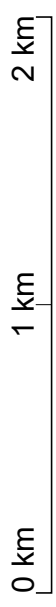
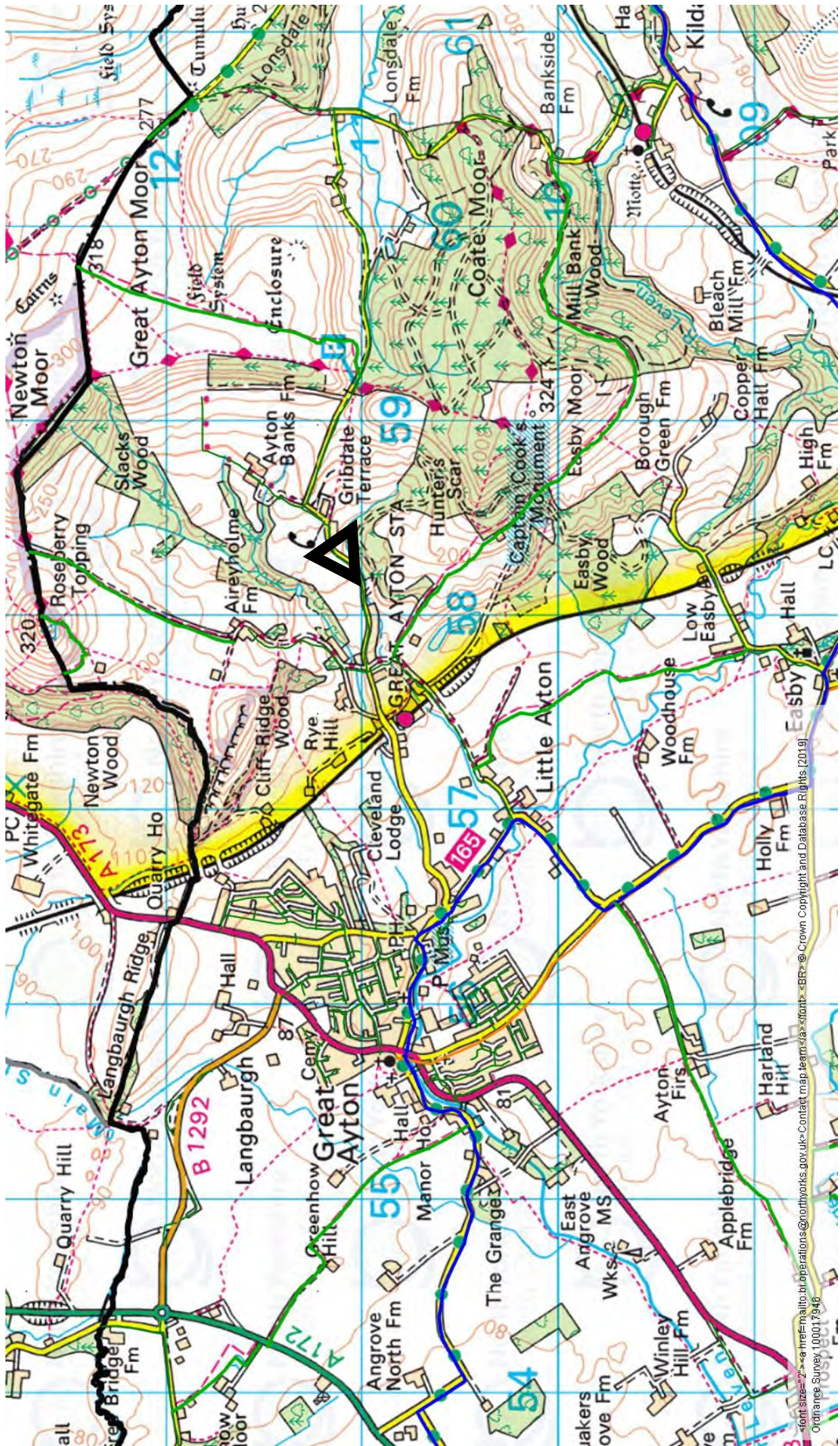
Key For Map

<u>Description</u>	<u>Icon</u>
Proposed Site	
Public Bridleways / Potential Cycle Routes	
Sustrands 165	
Sustrands 168	
Railway Line	
County Boundary	



bi.operations@northyorks.gov.uk > Contact map
 team
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 Survey 100017946





KOHLER®

SDMO®



DIESEL 10000 E SILENCE UK

PORTABLE POWER

Generating Sets Range DIESEL

PRODUCT ADVANTAGES

- Entire group guaranteed 3 years
- KOHLER air-cooled industrial engine
- Very Silent
- Soundproofing and against shocks panels
- Hydrocarbons bulk tank

This genset is quiet and compact and features easy-to-reach components for simplified maintenance. The APM202 control panel displays overspeed, starting failure, oil pressure, battery and temperature

Range DIESEL

Both long run times and very long life for professional applications.



This product meets the Qualigen charter, which aims to ensure a high level of quality and guarantee the safety of users. Qualigen: commitment to safety and quality.

DIESEL 10000 E SILENCE UK

GENERAL SPECIFICATIONS

Range	DIESEL
Frequency (Hz)	50 Hz
Max power LTP (kW) *	9
Nominal voltage (V)	230
Number of Phase	Single phase
Fuel	Fuel
Tank (L)	27
75% cons. (l/h) *	2.10
75% Autonomy (h) *	12.90
Sound power level guaranteed LwA dB(A)	96
Acoustic pressure level @1m in dB(A)	80
Acoustic pressure level @7m in dB(A)	66

ENGINE SPECIFICATIONS

Engine brand	KOHLER DIESEL
Engine type	KD425-2
Distribution	Diesel O.H.V.
Start	Electrical
Low Oil pressure shutdown	Oui
Displacement (cm ³)	851
Oil capacity (L)	2.60

ALTERNATOR SPECIFICATIONS

Technology	Without collar or brush
AVR Regulation	No
Indication of protection	IP 23
Insulation class	H

PLUGS AND PANEL DESCRIPTIVE

2 115V 16A sockets - circuit breaker + 2 115V 32A sockets - circuit breaker + 2 230V 16A sockets - circuit breaker + 1 230V 32A socket - circuit breaker + hour meter + indicator + APM202

DIMENSIONS AND WEIGHT

Length (cm)	118.30
Width (cm)	67.30
Height (cm)	96
Dry Weight (kg)	271

PACKAGING

Packaging type	Box
Length (cm)	120
Width (cm)	69
Height (cm)	94
Weight (kg)	274
Pallet type	
Number of box by pallet	0
Pallet height (cm)	0
weight of the packaged Pallet (kg)	0



2/17/2017

DIESEL 10000 E SILENCE UK - PORTABLE POWER - Generating Sets DIESEL

This document is not contractual - The SDMO company reserves the right to modify any of the characteristics stated in this document without notice, in a constant effort to improve the quality of its products. *ISO 8528.

SDMO Industries - 270 rue de Kerervern - CS 40047 - 29801 Brest cedex 9 - France -

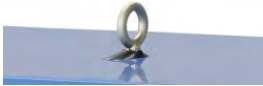
ACCESSORIES SUPPLIED



User and maintenance manual



Battery without maintenance



Lifting eye

Hour meter

OPTIONS



RSTART2 Remote control in order to start or stop the generating set until a distance of 50 meters (needs the APM202 control panel)



VERS050 Switches over automatically if the mains fails, 40A or 100A 1P or if the mains fails, 25A or 40A 3P (needs the installation of a APM202 control panel). Includes the battery charger.



R05M The manual changeover switch is used to connect and disconnect a generating set manually to a domestic circuit when there is a power cut.



RKB5 Trolley kit with 1 handle and 2 solid tyres for Diesel 10000 E SILENCE et Diesel 15000 TE SILENCE gensets



RKDS3 Maintenance kit for KOHLER KD425-2 engine.



EasyGrid Range

Our EasyGrid range brings off grid power solutions to homes and businesses without a mains grid connection at a reasonable cost. Rather than having to source separate components and have a bespoke system designed, our EasyGrid series offers a pre-configured, self-contained unit built from durable, high quality components; fully tested and ready to install. The EasyGrid enclosures are made from Zintec powder coated steel; allowing them to be installed either inside or outside depending on requirements. Suitable for installation worldwide the EasyGrid range addresses off grid power needs and can be installed by a competent local electrician.

How does it work?

Our EasyGrid units have connections for both a solar array and a generator. The EasyGrid supply utilises energy from the solar array to charge the units' batteries, where energy will be stored until needed. The array then tops up the batteries as the power is used. The system can also support additional loads to those listed when connected to a generator. In addition, if a generator is connected and the batteries are depleted and no solar power is available, the system will send a start signal to the generator to provide power and charge the batteries.



EasyGrid – Off Grid Hybrid Power Systems
3kVA, 5kVA & 10kVA

EasyGrid Off Grid Hybrid Power Systems – 3kVA, 5kVA, 10kVA

EasyGrid 3000



- Victron MultiPlus 48V 3000VA
- Batteries: 9.6kWh (Usable 5.7kWh)
- Connect a Generator: 2kVA – 8kVA
- Standard Solar: up to 4kW*

EasyGrid 5000



- Victron Quattro 48V 5000VA
- Batteries: 31kWh (Usable 16kWh)
- Connect a Generator: 8kVA - 13kVA
- Standard Solar: up to 6.8kW*

EasyGrid 10000



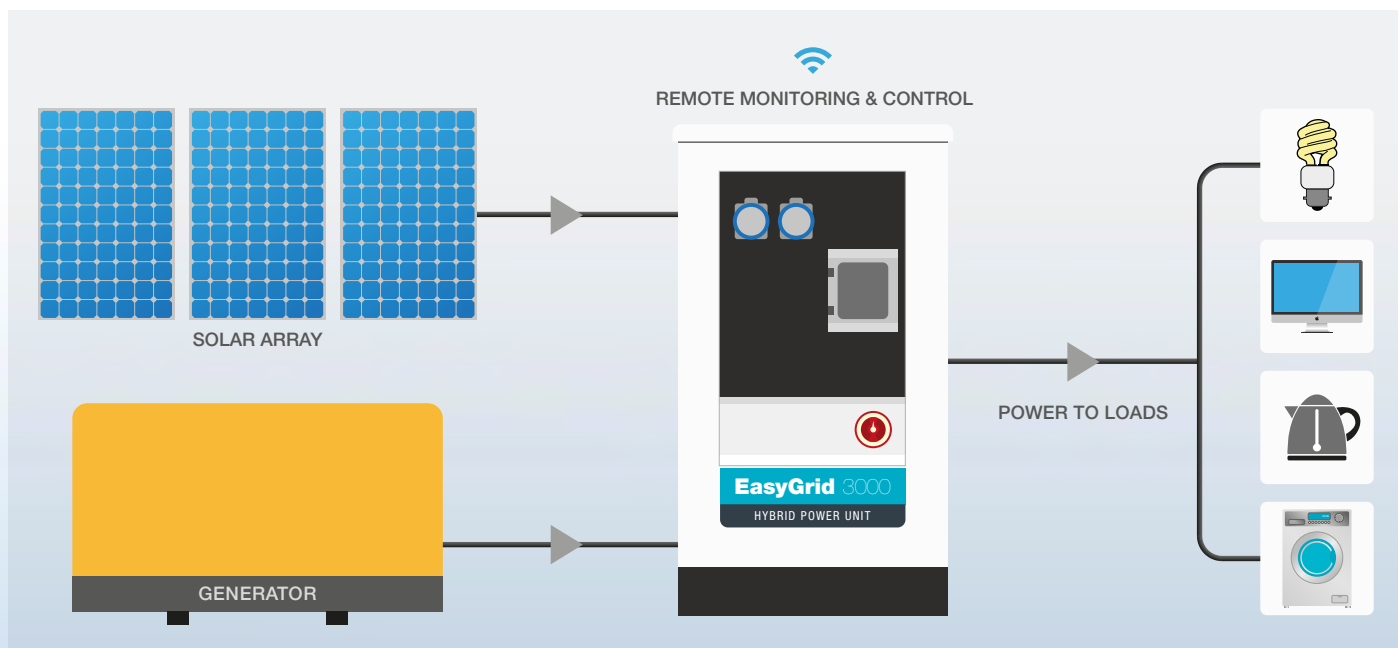
- Victron Quattro 48V 10000VA
- Batteries: 40kWh (Usable 21kWh)
- Connect a Generator: 17kVA - 45kVA
- Standard Solar: up to 6.8kW*

All units come with a lockable door for added protection and security.

**Solar expansion kits available*

Call or email for your quotation

EasyGrid System Example



What can you run with EasyGrid?

It is always difficult to define exactly what you can run from an off grid system – average demands can be easy to manage but peak loads can be more challenging to assess. Below are a few examples of EasyGrid applications:

EasyGrid 3000



Two bedroom holiday home and energy efficient appliances or small office with computers, printing, kettle and lighting.

EasyGrid 5000



3 bedroom home with gas cooking and energy efficient appliances or medium office / small workshop with office facilities and power tools.

EasyGrid 10000



Five bedroom home with electric cooking & efficient appliances or large office and workshop with full facilities.

Call or email for your quotation

Connecting a Generator

If you are looking at connecting a generator to the EasyGrid range we would recommend sizing of the following:

- EasyGrid **3000**: 2kVA – 8kVA
- EasyGrid **5000**: 8kVA – 13kVA
- EasyGrid **10000**: 17kVA – 45kVA

This will allow you to run additional loads. We can supply a generator with your EasyGrid if required. Please ask for prices and we can include this with your quotation.



Call or email for your quotation



Connecting a Solar Array

Sizing your solar array correctly is vital in getting the most effective renewable energy into your EasyGrid. Below we explain the options available to you and how you can connect solar panels to optimise your power for peak loads.

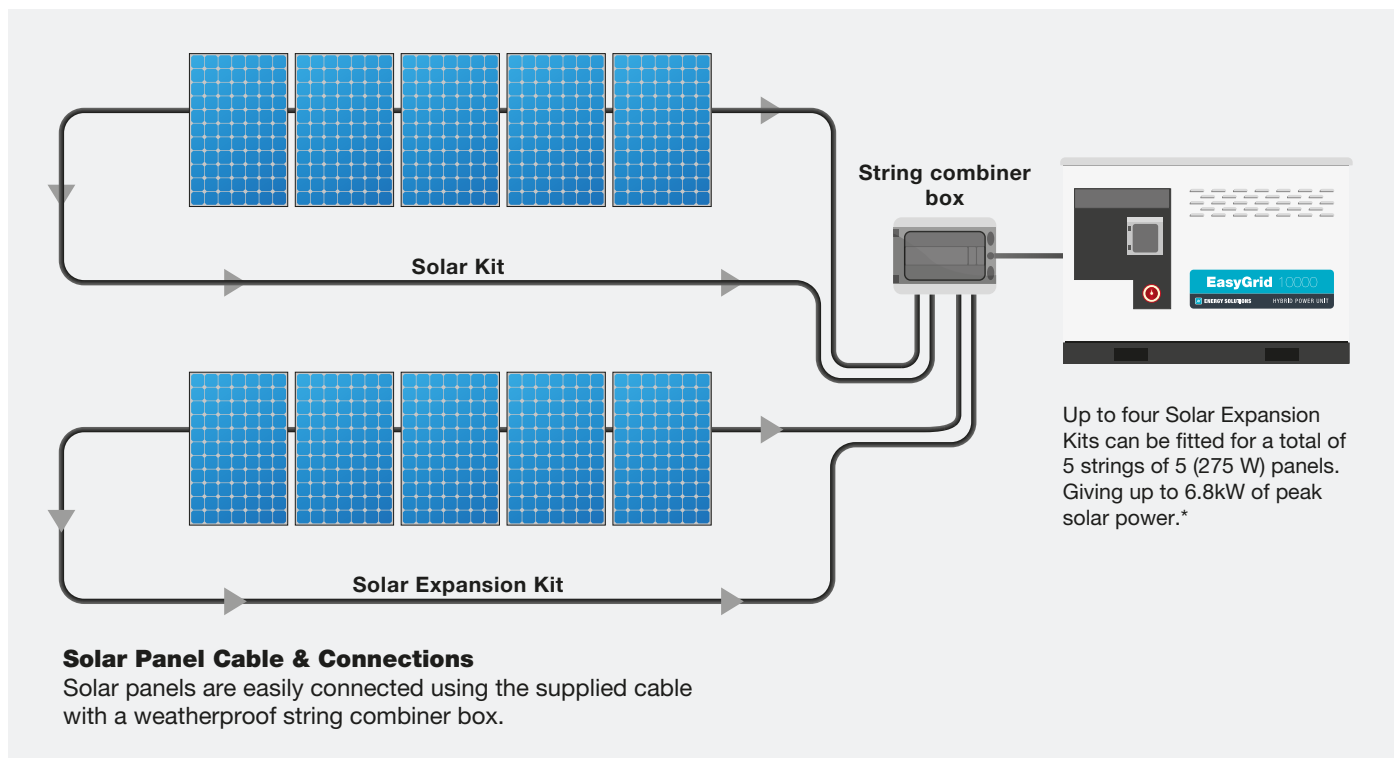
We are able to supply the necessary solar panel kit and expansion kits, mounting brackets, cables and connectors for your project. Please ask for prices and we can include this with your quotation.

SOLAR KIT – 1 String (5 Panels)

5 x 275W panels in series gives a maximum open circuit voltage of approx 190V.

SOLAR EXPANSION KIT – 1 String (5 Panels)

Additional strings of 5 x 275W solar panels can be connected via a solar string combiner box.



* Solar array configuration for EasyGrid 3000 is limited to 4kW, 5 strings of 3 (275W) panels.

Monitoring and Control

Victron Color Control



The EasyGrid range incorporates a Victron Color Control as standard. This control gives each EasyGrid great functionality.

Color Control enables full online monitoring via the Victron VRM website (internet connection required). This shows all relevant parameter and historic data including battery capacity, power usage and solar input along with many other selectable parameters. The owner can also set alarms to ensure that the whole system operates at it's optimum performance at all times.

The Victron Color Control also comes with enhanced generator control, allowing full control and monitoring of your off grid system. Owners will be able to see:

- **Generator state:** Condition that is currently keeping the generator running.
- **Runtime:** Generator runtime since last start.
- **Total run time:** Accumulated running time since the first start.
- **Time to next test run:** When the test run condition is enabled this item shows the time remaining to the next test run.
- **Daily runtime:** Page with the running times of last 30 days.

In addition the generator can be set to run based on the conditions such as AC load and state of charge of batteries to ensure that those living and working off grid are never without power.

Silent nights

For those living off grid there are additional features the control system offers which can enhance their living conditions - quiet periods can be set which will reduce the chance of the generator starting - particularly at night. Most importantly period test runs can be set which ensures that when you need the generator - it will start!



Full online monitoring via the Victron VRM website

Call [redacted] or email [redacted] for your quotation

Why Choose EasyGrid?

Energy Solutions is the UK's leading supplier of off grid power systems, supplying high quality systems to residential and commercial customers across the UK and internationally for whom connection to the grid is not a viable option.

The EasyGrid range is our best selling off grid solution – a plug and play system for homes and businesses looking for a straightforward, affordable way to generate their own power.

The EasyGrid range offers reliable and efficient power to businesses and home owners and allows periods of silent power. The ability to link into renewable energy is a key part of the system alongside sophisticated controls and programming. See below for key features of the systems and some frequently asked questions.



Silent Power

Battery storage delivers silent power



Fuel Saving

Save fuel by running generator less



Remote Monitoring

Full control and monitoring of your hybrid system



Lower Emissions

Less generator run time reduces emissions



Installation

Simple installation and configuration

EasyGrid FAQ

Can the EasyGrid be kept outside?

Yes - the Zinc powder coated steel enclosure is weatherproof, however many clients choose to house the unit in an outbuilding.

Can I add solar at a later date?

Yes - the EasyGrid is pre-wired and ready to accept a solar array, this can be added when best suits you.

Can I add a wind turbine as well as solar panels?

Yes - all of the EasyGrids can be upgraded to include the dump load and flight controller wired inside the unit, so your wind turbine is all ready to connect on site.

Can I connect an EasyGrid to my existing generator?

Yes - if you already have an auto-start generator that is a suitable size you can use this with the EasyGrid.

I own a 3 phase generator. Can I use this for the EasyGrid?

Yes - you can buy an EasyGrid upgrade which allows 3 phase generators to be connected.

Do I have to use a generator?

No - not necessarily. If you have enough renewable energy sources and can get a good return from these in comparison to your loads, it is possible to be able to run the system without the use of a generator.

How long do the batteries last?

1500 cycles, approx. 5-7 years with standard use. When needed we can supply replacements.

Is the EasyGrid noisy?

The EasyGrid unit itself is completely silent.

How often will my generator run?

This all depends on how frequent your peak loads are and the use within the property. The EasyGrid will only ever run the generator when the loads go above the set capacity or the batteries are depleted to 50% discharge.

Will an EasyGrid system start my generator during the middle of the night?

Not in most cases, the EasyGrid will run for longer off battery power if loads are low at night, so you will have silent power during that period.



How long will it take to install?

Installation of the EasyGrid unit is very quick, and can be completed inside of a day.

Do you (Energy Solutions) install the whole system?

Yes - we can give you a quotation for installing and commissioning your system, however as the system is so simple customers can have a local qualified electrician install it.

Call [redacted] or email [redacted] for your quotation

	EasyGrid 3000	EasyGrid 5000	EasyGrid 10000
			
Inverter Charger Model	Victron MultiPlus 48V 3000VA	Victron Quattro 48V 5000VA	Victron Quattro 48V 10000VA
Transfer switch	50A	100A	
AC Input	187 - 265VAC 1PH		
DC voltage range	38 – 66V		
Output Voltage	230VAC ± 2% Frequency: 50Hz ± 0.1% (1)		
Cont. output at 25 °C	2500W	4500W	9000W
Cont. output at 40 °C	2200W	4000W	8000W
Peak power	6000W	10,000W	20,000W
Outlets (Standard)	1 x 32A 1PH	1 x 63A 1PH	
SOLAR CHARGE CONTROLLER			
Model	Victron BlueSolar Charge Controller		
Max output current	70A	85A	
Max PV power suggested	4kW max.	6.8kW max.	
Max PV open circuit voltage	150V	250V	
Operating temp. range	-20 to +50°C (fan assisted cooling)		
MONITORING			
Victron VRM	Yes		
BATTERIES			
Type / Quantity	12V x 4	2V x 24	
Cyclic Life	1500		
Type	Gel		
Capacity (50% DOD)	9.6kWh (Usable 5.7kWh)	31kWh (Usable 16kWh)	40kWh (Usable 21kWh)
ENCLOSURE			
Dimensions (mm) (WxDxH)	680x870x1220	1468x824x1104	
Weight	380kg	1320kg	1520kg
Lifting options	Fork & Corners		

June 2018

Installation, Warranty and Service

The EasyGrid series is designed to be a plug and play solution for off grid customers. They can be installed by a competent, local electrician. We have a YouTube guide to help them plus each unit is supplied with a straightforward installation guide.

The unit is covered by our own one year warranty, and the Victron power electronics are covered with a 5 year limited warranty.

Images are for illustrative purposes only and actual products and examples may differ from those shown. All details correct at time of going to press but subject to change. E & EO.

**SOLAR
INNOVATION
FOR THE 21ST
CENTURY**

**ROBUST FOR
ALL THE UK
WEATHER CAN
THROW AT IT**

BRITISH DESIGN

**BRITISH
MANUFACTURE**

BRITISH QUALITY

**SEAMLESS
SOLAR FOR
SENSITIVE
AESTHETICS**

PV SLATE



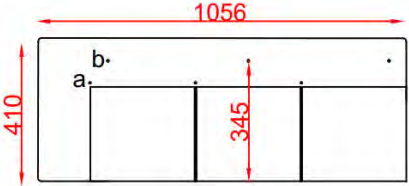
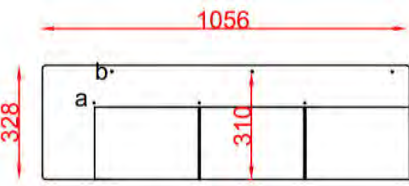
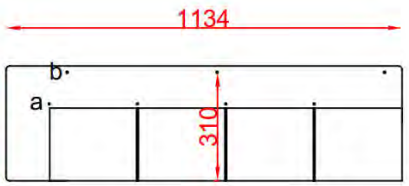
**The perfect match of seamless
solar and uncompromising quality**

GB-Sol



Roofing & Mechanical Data:

	PV Slate 600x300	PV Slate 500x300	PV Slate 500x250
Natural Slate Compatibility	600mm x 300mm x 6mm	500mm x 300mm x 6mm	500mm x 250mm x 6mm
PV Slates per m² Roof Area*	4.17 PV Slates	5.52 PV Slates	4.96 PV Slates
Wp per m² Roof Area*	146 Wp	138 Wp	136 Wp
Dimensions (L x W x D) - Nominal	1056mm x 410mm x 6mm	1056mm x 328mm x 6mm	1134mm x 328mm x 6mm
Dimensions (L x W x D) - Visible on Roof	906mm x 265mm	906mm x 200mm	1009mm x 200mm
Natural Slates Replaced	3	3	4
Natural Slate Headlap	70mm	100mm	100mm
Weight	3.9 Kg	3.0 Kg	3.5 Kg
Minimum Natural Slates on Roof	Ridge: 1 x Complete natural slate course + Top course of natural slates Verge/Any Obstruction: 1 x Complete natural slate course Gutter: 2 x Natural slate courses		
Natural Slate Colour Compatibility	All blue-grey slates		
Batten Gauge	265mm	200mm	200mm
Battens	BS 5534 Graded & treated battens only (50mm x 25mm)		
Roof Pitch (Typical)	22.5°-90° - Dependant on location - contact us for more details		
Roof Mounting Method (Supplied)	3 of M5 x 25mm A2 pan-head wood screws 3 of Roof Hooks 2.7mm 316 Steel grey powder coated		3 of M5 x 25mm A2 pan-head wood screws 4 of Roof Hooks 2.7mm 316 Steel grey powder coated

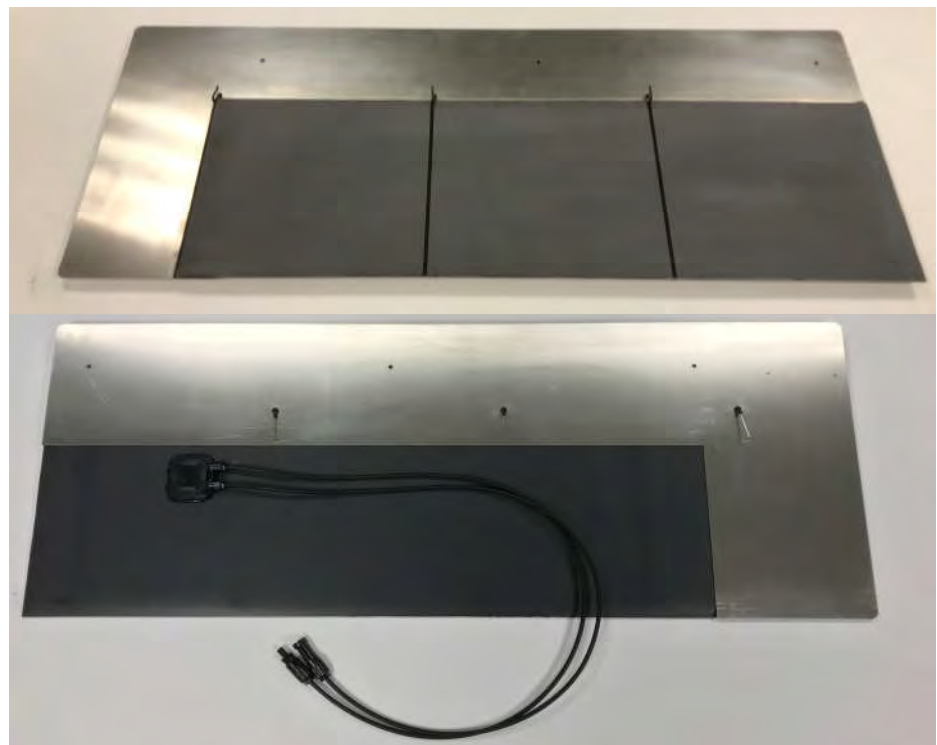
PV Slate 600x300	PV Slate 500x300	PV Slate 500x250
		
a = PV Slate Hook holes / b = Screw fixing holes		

Electrical Data:

	PV Slate 600x300	PV Slate 500x300	PV Slate 500x250
Nominal Output	35 Wp (+/-10%)	25 Wp (+/-10%)	27.5 Wp (+/-10%)
Short Circuit Current	6.6 A	4.1 A	4.1 A
Open Circuit Voltage	6.6 V	7.5 V	8.1 V
MPP Current	6.4 A	4.0 A	4.0 A
MPP Voltage	5.5 V	6.2 V	6.9 V
Temperature Coefficient of Power	-0.40 %/K	-0.40 %/K	-0.40 %/K
Temperature Coefficient of Voltage	-0.32 %/K	-0.32 %/K	-0.32 %/K
Temperature Coefficient of Current	0.042 %/K	0.042 %/K	0.042 %/K
Maximum Permissible System Voltage	600 V	600 V	600 V

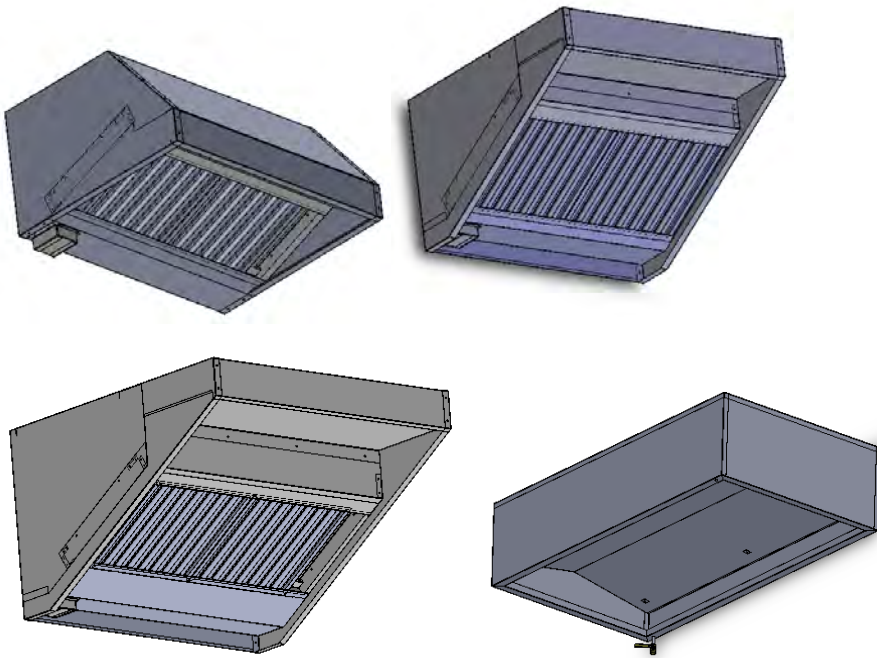
General Data:

Feed in Tariff Applicable	Yes
Product Warranty	10 Years
Power Output Warranty	10 Years
Product Certification & Testing	MCS 012 (BAPT 8752-02) & MCS 005 (BAPT 8501-15), EN 15601:2015 (Weathertightness), EN 13501-5:2005 (Fire), CEN/TS 1187:2012 (Fire), BS 476-3:2004 (Fire - EXT.S.AA Rating), BS EN 14437:2004 (Wind Uplift)



Instruction Manual

Extraction Canopy Range



Available as:
Snack Type Range
General Type Range
Titan Type Range
Condensation Canopy Range

Built for purpose in Britain








Welcome to Parry...

We're proud to bring you quality stainless steel products that are designed for daily use – and built for purpose – right here in the UK.

When you work with us, you don't just benefit from our commitment to British craftsmanship. Our agile approach – combined with bespoke service – means that we're quickly able to adapt every aspect of our offering to fit your requirements.

-  With over 40 years' experience in commercial catering, our equipment heats quickly, cooks beautifully and cleans easily.
-  From food display units with specialist lighting to bespoke cupboard designs, our R&D team develop and refine products until they're precisely what you need.
-  Our extensive expertise and comprehensive support deliver benefits that go way beyond products leaving the factory.

Enjoy the catalogue. And, remember, if you can't find precisely the product or fit you're looking for, you can use our bespoke service and we'll make it for you.

If you have comments or questions, we'd be pleased to hear from you.



Contents






Contents	3
Product Overview	4
Safety Instructions	6
Installation Instructions.....	6
Cleaning Instructions.....	10
Fault Finding	11
Service Information.....	11
Wiring diagram	12
.....	13
Fixing Diagram	14
Parts List	15
Warranty Information	16
Disposal and Recycling	17

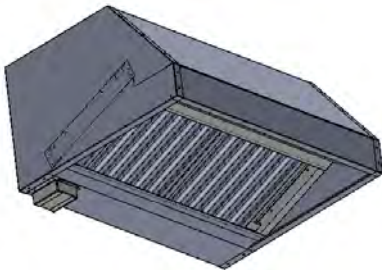


Product Overview

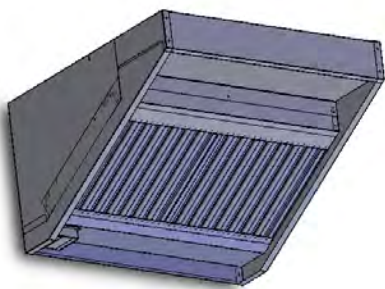
The Parry range of canopies has been designed to demystify the process of installing extraction above commercial catering equipment. The standard three designs of extraction canopy we offer can be purchase in packs with either internal fans or external fans. The packs include the associated flanges and speed controller to suit the fans spec for the length of canopy so you can rest assured that you have the key components needed to install the canopy.

The Parry canopy range benefits from :

-  Practical range of sizes to suit most kitchens
-  Good performance extraction fans
-  Quality stainless steel construction
-  Simple to specify kit of parts to suit most extraction requirements.
-  Parts warranty



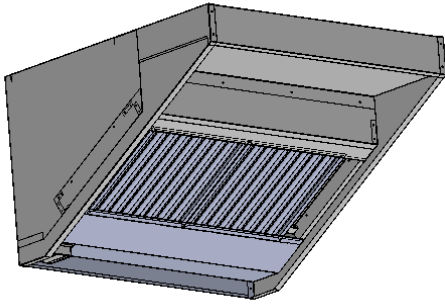
SNACK TYPE CANOPY	DETAIL
External Dimensions	1000/1200/1500/1800/2100/2400mm (w) x 810mm (d) x 500mm (h)
Removable drip tray	Yes
Fans packs available	Internal or external
Filters	All units provided with baffle filters
Construction	Stainless steel



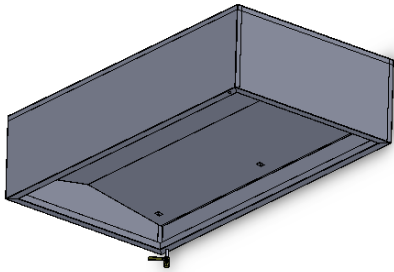
GENERAL TYPE CANOPY	DETAIL
External Dimensions	1000/1200/1500/1800/2100/2400mm (w) x 1000mm (d) x 600mm (h)
Removable drip tray	Yes
Fans packs available	Internal or external
Filters	All units provided with baffle filters
Construction	Stainless steel



Product Overview



TITAN TYPE CANOPY	DETAIL
External Dimensions	1000/1200/1500/1800/2100/2400mm (w) x 1200mm (d) x 750mm (h)
Removable drip tray	Yes
Fans packs available	Internal or external
Filters	All units provided with baffle filters
Construction	Stainless steel








CONDENSATE CANOPY	DETAIL
External Dimensions	1000/1200/1700/2100mm (w) x 1100mm (d) x 500mm (h)
Integral drip tray	With drain tap
Fans packs available	No fan included
	All units provided with condensate plates
Construction	Stainless steel



Safety Instructions

Please read these instructions before you attempt to use the equipment. Keep these instructions for future reference.

-  To prevent shocks, the canopy, must be earthed.
-  To avoid scratching the highly polished exterior surface of this equipment whilst in transit, the protective film on the exterior surfaces has NOT been removed.
-  It is IMPORTANT that this protective film is peeled off before the equipment is used.
-  Ensure that vents intended to provide air flow in and around the unit are not obstructed.
-  Ensure the appliance is isolated from the power supply before installing, cleaning or maintaining the appliance



Installation Instructions

Specifying Instructions

Please consult HVCA Specification DW/172 and current local regulations, when specifying a canopy for a room.

Parry cannot specify extraction equipment or ducting due to the numerous factors that influence the selection of equipment for a certain environment.

Please ensure that you have checked that the canopy you select will have adequate air flow to extract the gases from the equipment that you propose to fit underneath it. If in doubt please seek professional advice.

All Parry canopies are manufactured from high quality stainless steel. The extraction canopy itself will be supplied with baffle filters and an easy to clean drip tray. Condensation canopies are fitted with a drain valve on one corner.

Installation Instructions

All gas appliances and gas interlock systems must be installed and commissioned by a registered gas safe fitter. Electrical products, and the wiring of lights and speed controllers must be fitted by an electrician. All ventilation ducting must be installed to comply with currents standards and building regulations.

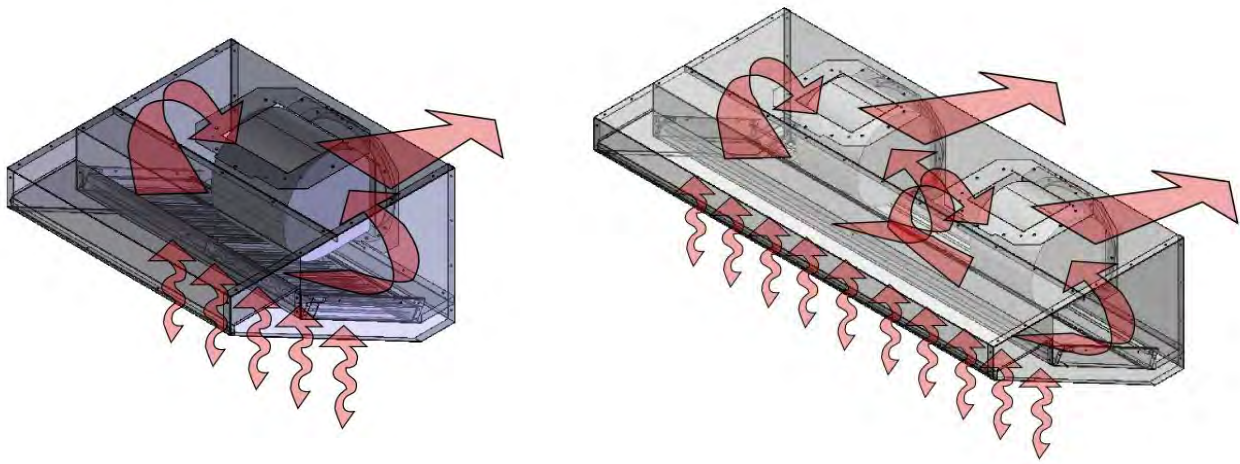


Installation Instructions

Internal fan canopies

For canopies that have internal fans please ensure the fan is in the correct position before attempting to mount the canopy to a wall.

The centrifugal fan used within the internal fan packs draws air from both sides, so to work most effectively it has to be located centrally to give an even draw across the length of the canopy. In the longer lengths two fans may be required and these are spread equally a third of the way along the canopy length. Canopies with two fans require two sets of ducting, or a non return valve.



Repositioning the Internal Fan

As standard, canopies with internal fans will have the fan mounted to duct out of the centre back of the canopy as shown in figure 1. However if required the fan can be moved to duct out of the centre top of the canopy as shown in figure 2.

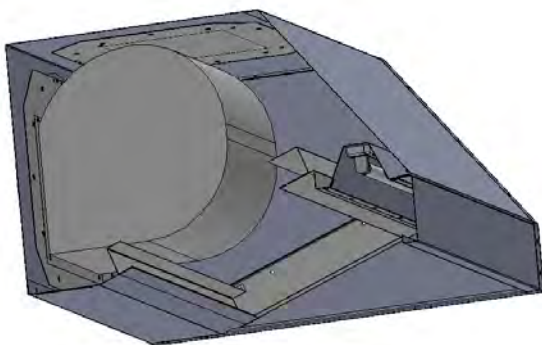


Figure 1

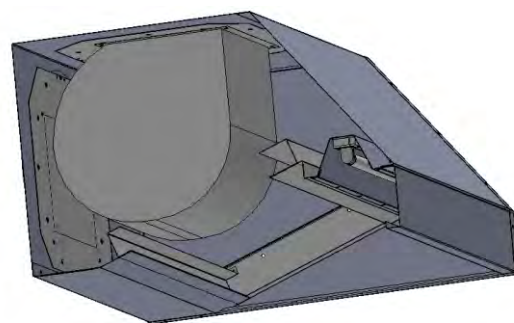


Figure 2

Please note that by removing the baffle filters and filter spacers by lifting and dropping them out of the channels you should be able to have just enough room to unbolt the fan and reposition it.



Installation Instructions

The fan is bolted to a plate with a square hole in it, using four pieces of threaded bar. The plate is then bolted to the canopy through the same holes as the flange.

To block off the holes in the canopy that are not being used, there is another plate, this time solid. It contains the same fixing holes as the fan plate, so can simply be bolted to the canopy in exactly the same way, making the two plates interchangeable.

If you do need to move the position of your fan please note that it will only fit in one way round. When located on the back, the flat side of the fan is facing downwards and when mounted on the top the flat side is facing forward as illustrated above.

Please ensure that all the bolts are securely tightened before hanging the canopy on the wall.

An earth tag has been provided and we would recommend that all units are earthed.

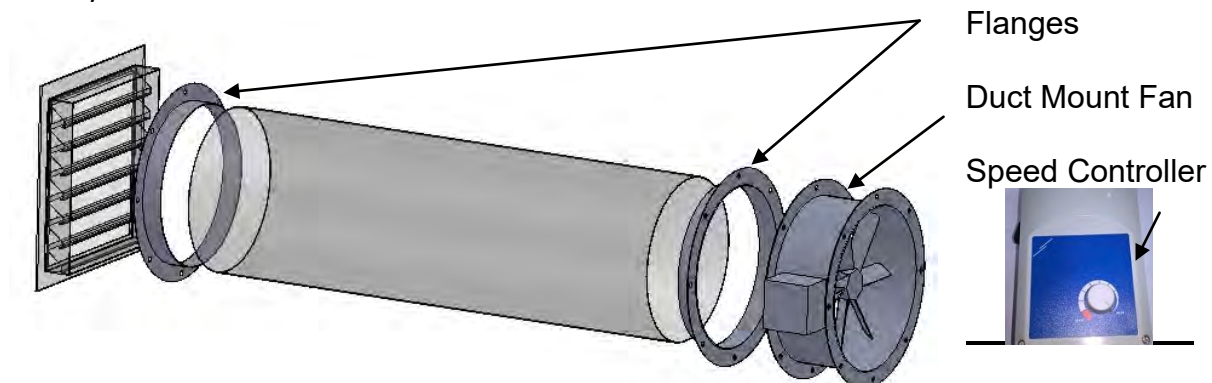
Information about the rating of the fan can be found on a label on the left inner side of the canopy. We would recommend you use this label to record the information relating to the canopy installation as it is commissioned.

External fan canopies

Parry offer all of their canopies with the option of an external fan packs. Especially useful for difficult applications, long runs and runs with a change in direction.

The external fan pack consists of a duct mount fan sized to the length of canopy, a pair of flanges, and a speed controller.

Canopies with external fans give the installer greater flexibility as to where the ducting can be mounted. Usually the installer would cut the hole in the canopy to suit where the ducting needs to be, however if stated with precise dimensions, holes can be cut into the canopy at the factory at an extra cost.



Parry does not supply any ducting and it is the responsibility of the installer to ensure that extraction ducting complies with all current standards. External weather louvered panels are



Installation Instructions

not supplied as standard but can be bought separately from Parry. Parry can also supply reducers if you want to change the diameter of ducting leading away from the fan.

Hanging the canopy on a wall

The method chosen to hang the canopy to a wall or ceiling will depend greatly on the type and material of the wall or ceiling. It is the responsibility of the installer to check the structure is strong enough for the weight of the canopy and to use appropriate fixings.








If a canopy has been supplied on a stand or mounted to a table it may still need to be tied to a wall or ceiling for rigidity.

1. Choose a suitable position for your unit taking into consideration ducting, the location of units underneath it, and current standards. Do not butt the unit up against another unit which will get hot. Do not let the position of the unit blank off any ventilation vents on any other adjacent units.
2. Remove all protective film and packing material.
3. Holes can be drilled through the back or top of the canopy to screw directly to a wall or ceiling. In some circumstances it may be beneficial to run a baton along the wall for the unit to sit onto, as well as screwing directly into the wall.
4. If in the case of a condensate canopy the unit may be suspended from the ceiling with chain. Take steps to prevent the canopy from swaying, which could happen as doors into the room are opened and closed.
5. Please note that on canopies a fat collection tray may be situated to one side of the unit, and on condensate canopies a drain valve is located in one corner. To help the liquid flow into the drain or tray, it is best to fix the unit at a slight angle.



Cleaning Instructions

The appliance should be cleaned after every use and drip trays emptied as and when they fill up.

-  Allow canopy and any equipment sited below, to cool down before draining or cleaning the canopy
-  Turn off the mains power.
-  Remove baffle filters and clean in hot soapy water.
-  Wipe down the channel that the baffle filters sit in with soapy water.
-  If the canopy contains an internal fan this must be cleaned regularly to avoid grease build up on the fan blades that will cause the fan to become inefficient and noisy.
-  Stainless steel cleaners maybe used on the canopy but cleaning instructions on the product must be adhered to.
-  Never clean the unit with water jets.



Maintenance Instructions

Ensure the appliance is isolated from the power supply before installing, cleaning or maintaining the appliance.



Fault Finding

Fault	Check	Solution
Canopy not extracting	The unit has been installed by a professional and is connected to the mains	Turn on mains power
	Canopy is the correct size for the equipment that has been sited below it	Seek professional advice or see DW/172 Guidelines
Fan extraction is not very strong	Check the setting of the speed controller	Adjust if necessary
	Check that the fan is clean and that a build up of grease on the fan blades is not preventing them from turning efficiently	Clean fan
	Ensure there is nothing blocking the filters or ducting	Remove blockage
	Fan positioned incorrectly	Move fan to correct position
	Fan not wired correctly	Wire fan in accordance with the wiring guide provided
Fan is noisy	Check that the fan is clean and that a build up of grease on the fan blades is not preventing them from turning efficiently	Clean fan



Service Information

This appliance should be routinely serviced to prolong its lifetime. Parry recommends that the appliance is serviced every 12 months by a Parry authorised engineer. Failure to service your product within the initial 12 month warranty period will cause the 24 month warranty to become void.

If the supply cord becomes damaged, it must be replaced by the manufacturer, it's service agent, or a similarly qualified person.



Wiring Diagram

Speed Controller Instructions

For models CONTRE3-A and CONTRE6-A

Technical Data

Code	Current Range	Fuse
CONTRE3-A (STL-0-30-AT)	0.1-3.0A	5.0A
CONTRE6-A (STL-0-60-AT)	0.5-6.0A	10.0A

Enclosure: Plastic R-ABS, UL94-VO, grey RAL 7035, IP54

Max ambient temperature: 35degrees centigrade

For indoor use only, non-condensing



The electronic speed controller of these series control the speed of single phase (230 VAC – 50 HZ) voltage controllable motors by varying the supplied voltage through phase angle control. There is a potentiometer and a separate ON/OFF switch with built in tell tale, The minimum speed allowed can be adjusted internally with a little trimmer (Factory pre-set = 100V). The terminal board has a supplementary connection to bypass the ON/OFF switch (automatic start) or to branch off 230V not controlled (three wire motor connection, valve, lamp, damper, etc...)

There are two working modes internally selectable by placing or removing the red jumper on the PCB (See illustration)

Kickstart : the motor will always start (or reset) at max speed for 8 seconds, after that the motor speed automatically follows the position of the potentiometer.

Normal start : the motor starts according to the position of the potentiometer.

1. Be sure that the controller is in the OFF position.
2. Take off the box cover by loosening the 4 screws. Note that the potentiometer is connected to the PCB with 2 wires.
3. Connect mains, motor(s) and earth cables of the proper diameter to the terminals according to the scheme below.
4. Start the controller and adjust the little trimmer so that the motor continues turning or restarts smoothly in case of power faults. The minimum speed is factory preset at 100V
5. Close the box and verify that the installation works fine.
6. The operating position must be shown below.

Connections

LN	Mains supply 230Vac-50Hz
N	neutral
Pe	earth connection
L1N	230Vac not regulated output for connecting lamp, valve, dampers ... or three wire motor connections; branched off after switch and fuse Input: to bypass switch and fuse (ATTENTION)
N	regulated output to motor
Jumper	Jumper removed = normal working mode Jumper in place = kickstart working mode
Trimmer	minimum speed adjustment trimmer

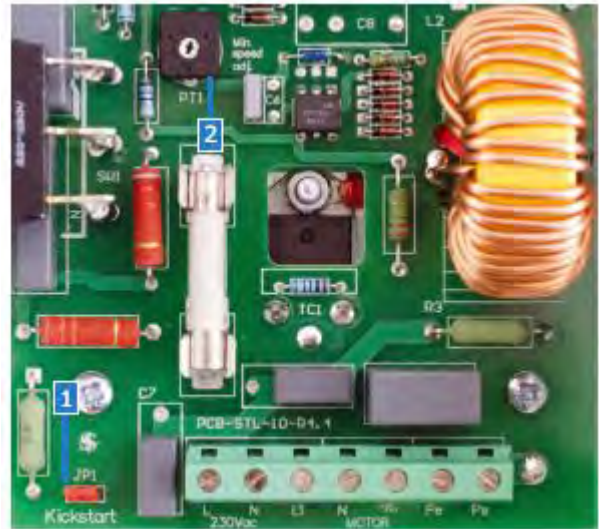


Wiring Diagram

CONTRE3-A (STL-0-30-AT)

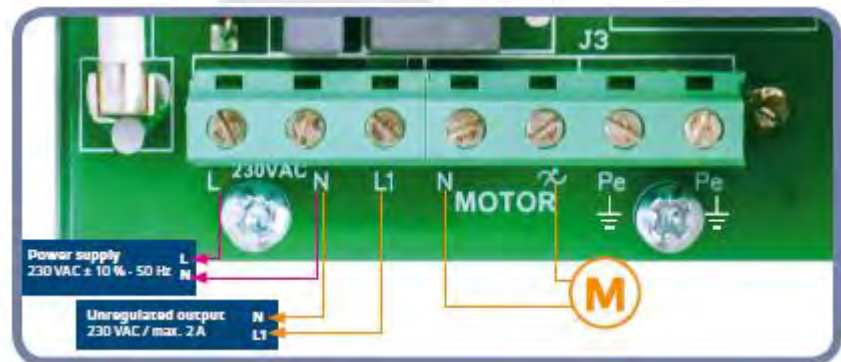


CONTRE6-A (STL-0-60-AT)



1. Kick start selection jumper JP1		Kick start is enabled
		Kick start disabled (normal start)
2. Minimum speed trimmer PT1		Adjusts the min. speed (factory preset 100 VAC)

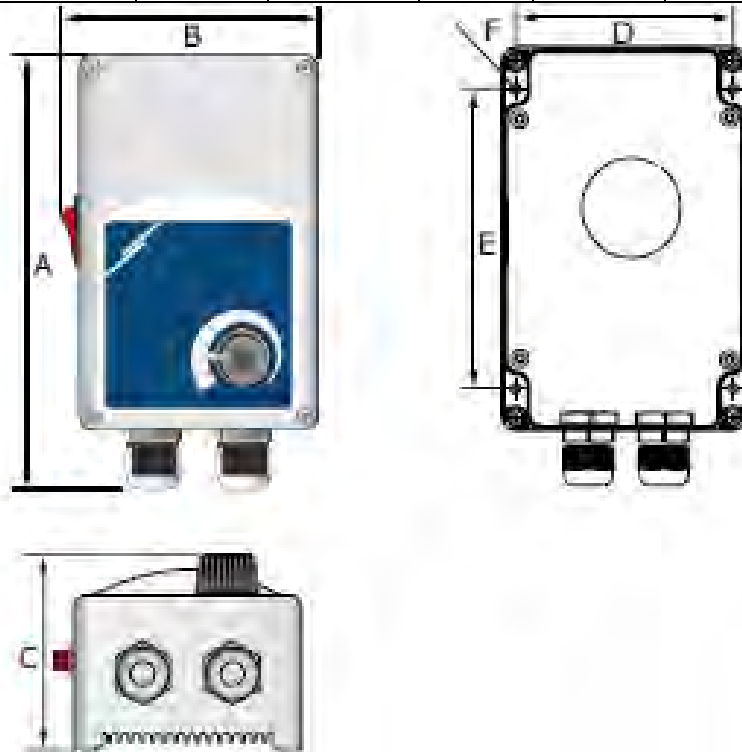
Single phase wiring diagram for both comodels





Fixing Diagram

Code	A	B	C	D	E	F
CONTRE3-A (STL-0-30-AT)	162mm	96mm	75mm	71mm	108.8mm	4.2
CONTRE6-A (STL-0-60-AT)	205mm	124mm	97mm	102mm	140mm	46





Parts List

Part Number	Description	Code
Internal Fan Pack (IF) for use with all sizes of canopy		
	Snail fan supplied with square mounting plate	FANBD9-9
	6amp speed controller	CONTRE6-A
	Set of two 400mm round flanges	FLANGE8897
External Fan Pack (EF) for use with canopies 1000/1200/1500/1800mm		
	400mm round duct mount fan	FANZSC400
	3amp speed controller	CONTRE3-A
	Set of two 400mm round flanges	FLANGE8897
External Fan Pack (EF) for use with canopies 2100/2400mm		
	450mm round duct mount fan	FANZSC450
	6amp speed controller	CONTRE6-A
	Set of two 450mm round flanges	FLANGE8898



Warranty Information

The manufacturer's warranty is only valid in the UK mainland. Northern Ireland, Western Isles, Inner Hebrides and Islands are parts only warranty. Please be aware that the warranty starts from the date of purchase from Parry and not the sale or installation date of the equipment.

To be eligible for a 2 year warranty, products must be serviced at least once within the first 12 months of purchase.

All service calls will be carried out between 8am and 5pm, Monday to Friday.

Your warranty is invalid if your equipment has not been installed in accordance with the manufacturer's instructions. The misuse, alteration or unauthorised repairs of the equipment will also invalidate the warranty.

During the warranty period it is at Parry's discretion whether to repair or replace the equipment. The warranty only applies if the equipment has been used in a professional manner following the manufacturer's instructions and maintenance guidelines.

The warranty covers defects in the material and component failure only. We are not liable for trading loss, loss of perishable items, water damage or loss due to injury or fire damage.

Please ensure you have referred to the manufacturer's instruction before placing a warranty call.

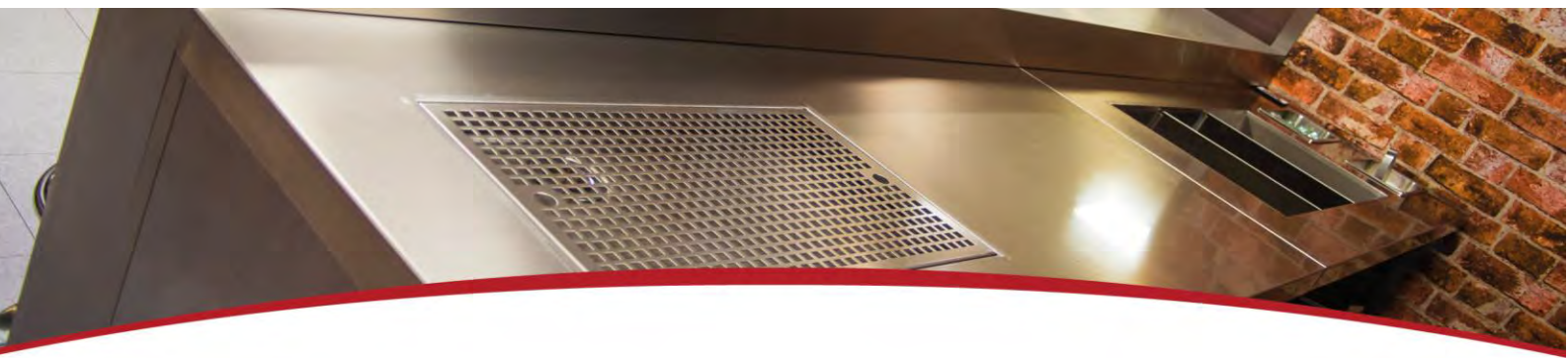
Contact our warranty department on _____ for technical assistance.

Please have your model number ready before calling.













All warranty requests must be submitted to _____

Failure to pay any warranty charges will result in your warranty being put on hold until the bill has been settled. Any issues regarding the raised charges should be put in writing to our warranty department for further investigation.

Register your product by visiting our website www.parry.co.uk



Not covered under warranty

-  Fault due to incorrect installation, poor maintenance or equipment abuse.
-  Resetting of equipment or circuit breakers.
-  Faulty electrics – e.g. customer's plug socket, plug, wiring, junction box fault, wrong fuse.
-  Products must be serviced within the first 12 months to be eligible for the 2 year warranty
-  Product not covered by warranty if combustible materials have been used, e.g. plastic trays.
-  Foil used on racks, blockages and lime scale issues.
-  Failure to grant access for pre-arranged service call.
-  Equipment that has been set up or used incorrectly e.g. dishwasher detergents, levelling and setting up of doors on a six burner cooker.
-  Excessive carbon build-up on griddle plates or overuse of lava rock on chargrills. (Recommended use by Parry no more than 2kg.)
-  Appliances that have been installed in mobile trailers are covered by parts only warranty for 24 months.
-  Extraction canopies are sold with parts only warranty on the fans and speed controllers for 24 months. If parts are found to be faulty through lack of cleaning of the extraction canopy the part will be chargeable. The equipment should be installed by a competent person. The equipment installer needs to know the design, performance and the capacity of the ventilation system, so they can ensure adequate ventilation.
-  All of the above points are not covered by warranty and any costs incurred, because of the above, will be forwarded to the parties responsible for placing the call.



Disposal and Recycling

This appliance is marked according to the European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of this product.

A symbol on the product, or on the documents accompanying the product, indicates that this appliance may not be treated as household waste. Instead it should be handed over to the applicable collection point for the recycling of electrical and electronic equipment.



Disposal must be carried out in accordance with local environmental regulations for waste disposal.

For more detailed information about treatment, recovery and recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Parry Catering recognises our obligations to the EU DIRECTIVE covering the waste disposal of electrical and electronic equipment (WEEE) Parry Catering are committed to this policy in order to help conserve the environment.

At the end of this units life you **MUST** dispose of it in an approved manner. You **MUST** not discard the unit or place it in the refuse bin.

You have several options:



Take the unit to an approved WEEE scheme company, there will be one in your area.



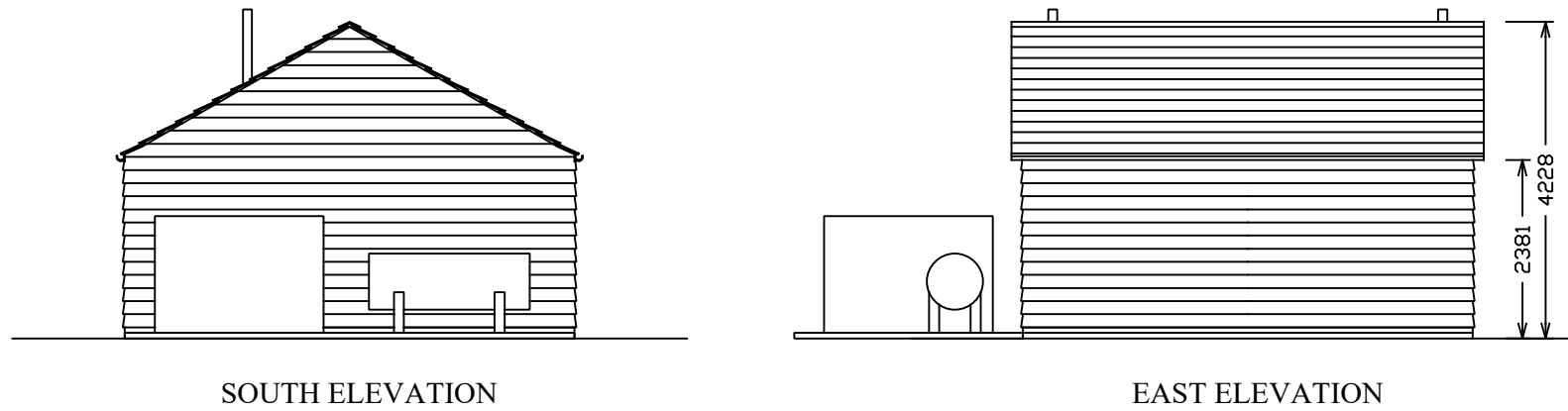
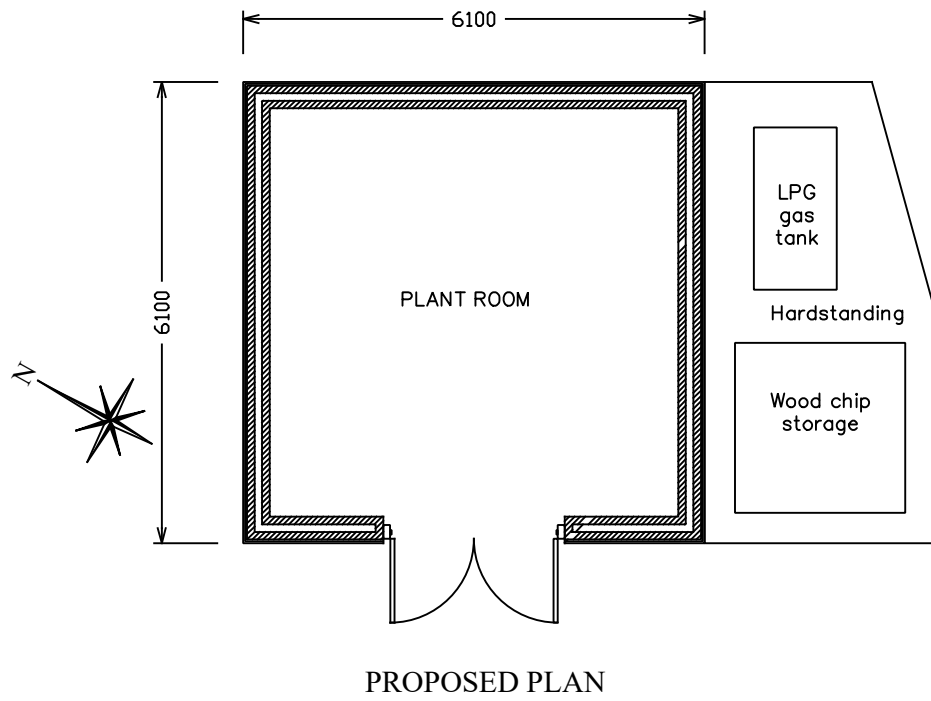
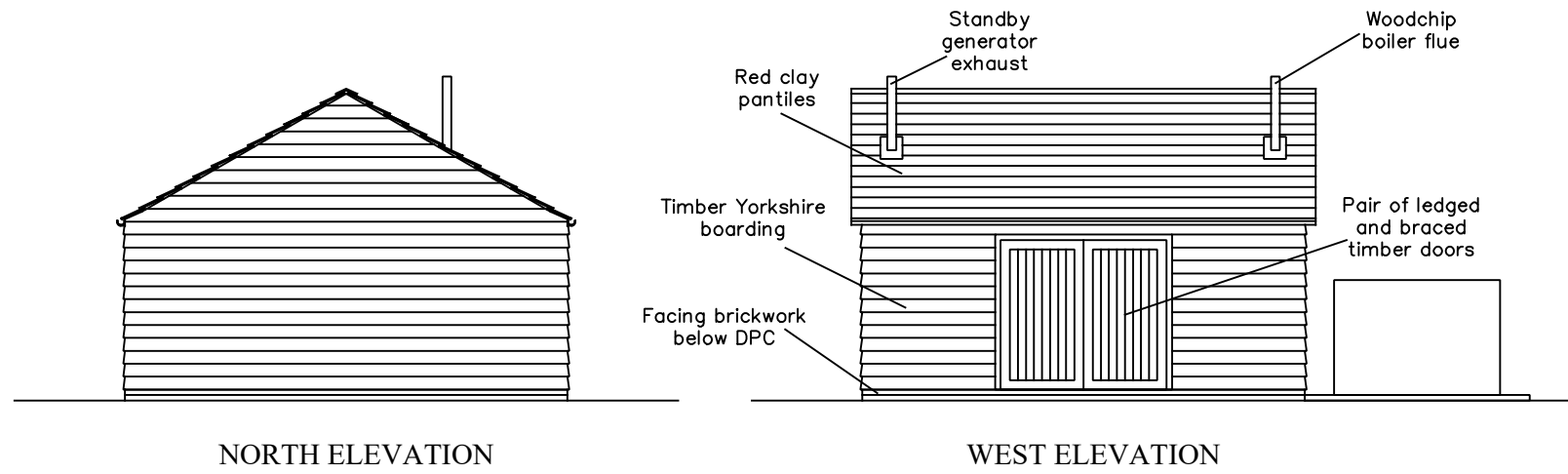
Take the unit to an approved waste disposal site; many sites are managed by your local authority.



Contact the units manufacturer, importer or their agent; the contact details will be on the unit.

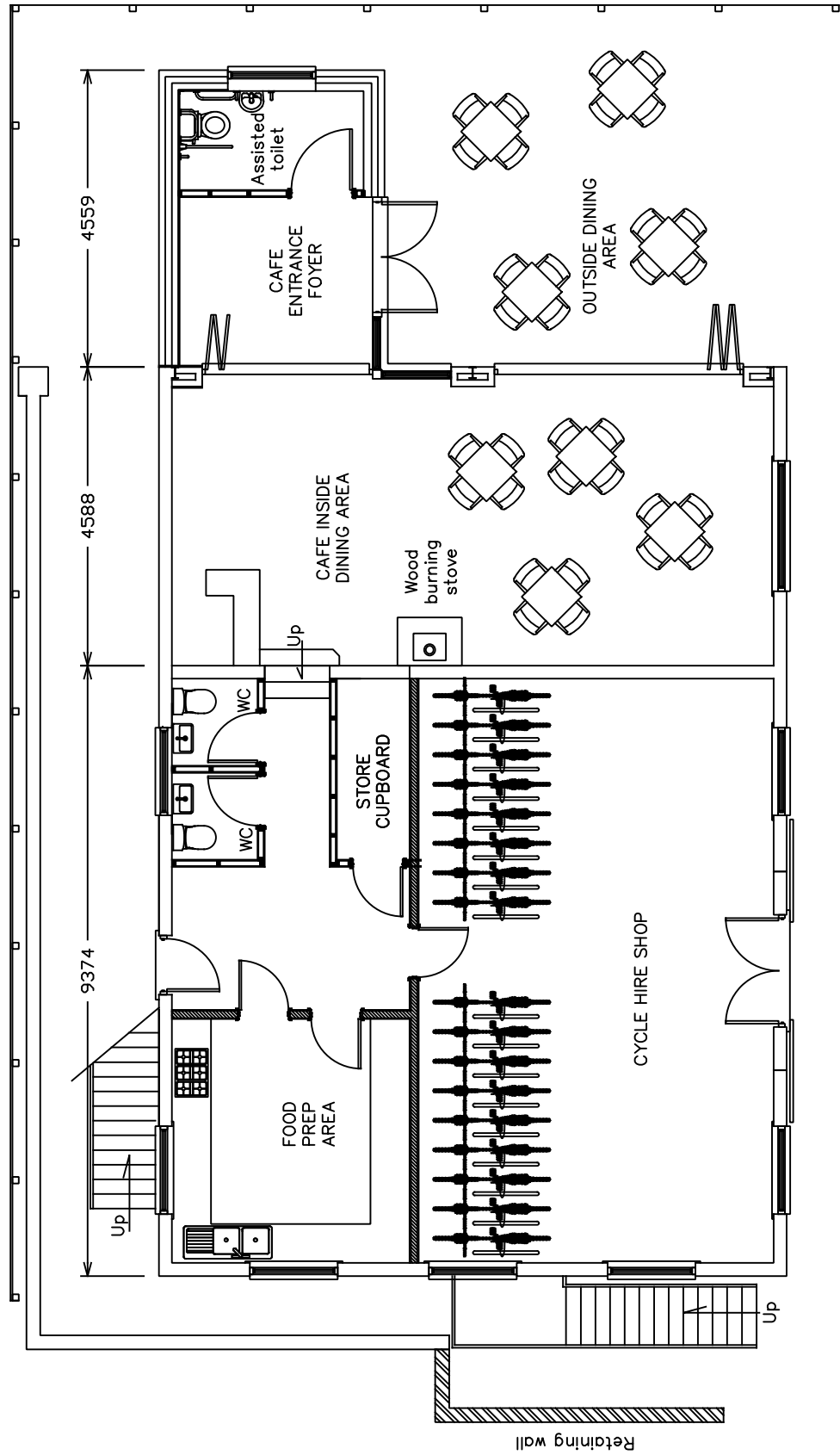
There will probably be a charge for this service which will depend on the physical size and location of the unit. You will be given a collection price for a curb side collection based on commercial rates prevailing at the time.

It should be noted that the unit to be collected should be suitably packed and sealed to prevent dangerous gases and fluids from escaping. The condition of the unit must also be clean to comply with health and safety regulations.

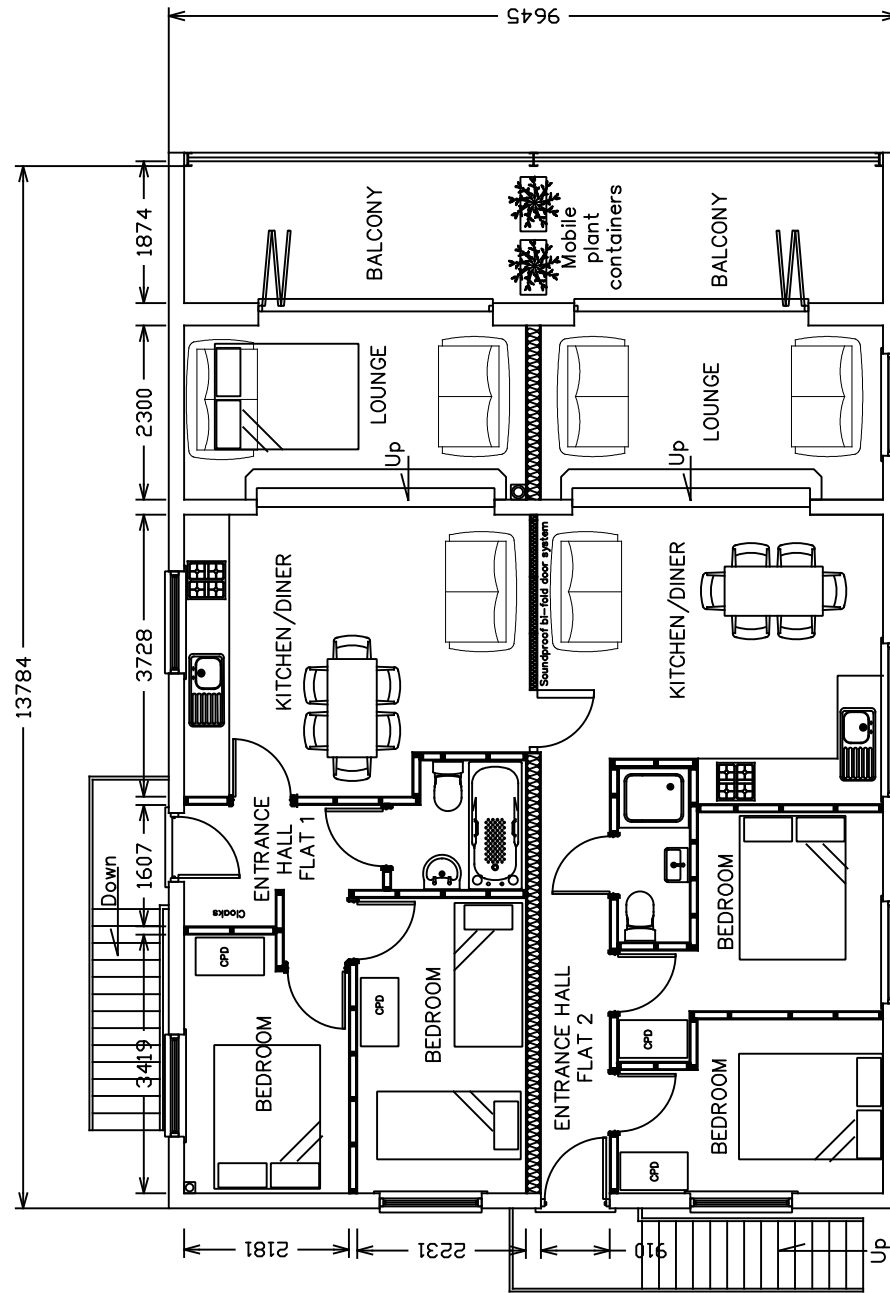


**PLANNING
APPLICATION
DRAWING**

			Alan Vandome Architectural Consultant 1 College Square Stokesley TS9 5DL		Project GRIBDALE STABLES, DIKES LANE GREAT AYTON TS9 6HJ Change of use from Equine Trekking Centre to Cycle Hire Shop, Cafe and Holiday Accommodation.	Title PROPOSED PLANT ROOM				
A.	6mar19	Roof and cladding revised.					Date	September 2018	Scale	A3 - 1/100
Rev	Date	Note					Drawn	A V	Drawing No.	S17.24(21)3A



PROPOSED GROUND FLOOR



PROPOSED FIRST FLOOR

PLANNING
APPLICATION
DRAWING

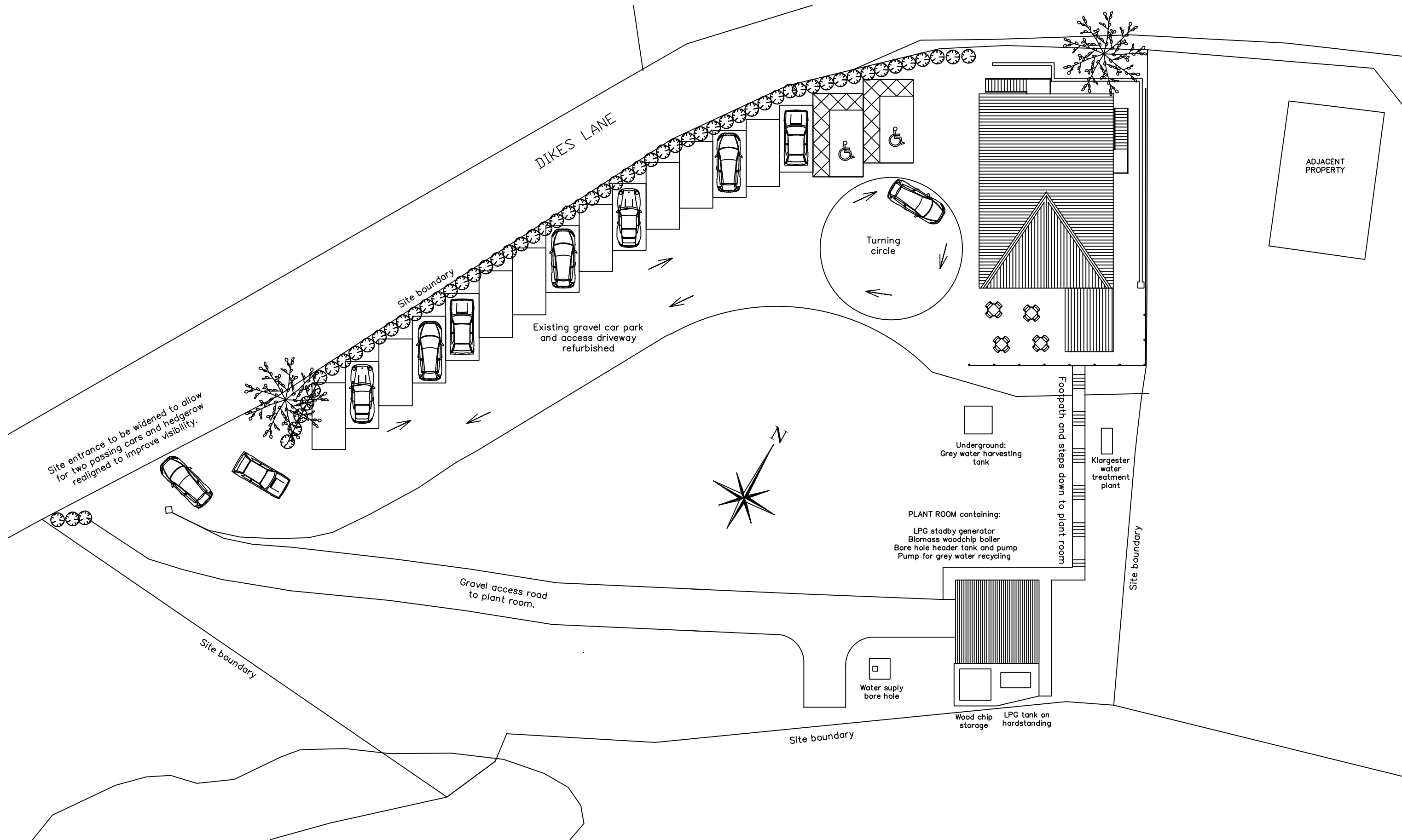
Rev	Date	Note
A.	6mar19	Entrance foyer relocated & internal revisions.

Alan Vandome
Architectural Consultant
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Stokesley TS9 5DL



Project
GRIBDALE STABLES, DIKES LANE
GREAT AYTON TS9 6HJ
Change of use from Equine Trekking
Centre to Cycle Hire Shop, Cafe and
Holiday Accommodation.


Title	
EXISTING GROUND FLOOR PLAN	
Date	September 2018
Scale	A3 - 1/100
Drawn	A V
Drawing No.	S17.24(00)2A



**PLANNING
APPLICATION
DRAWING**

Rev	Date	Note
A.	6mar19	General revisions.

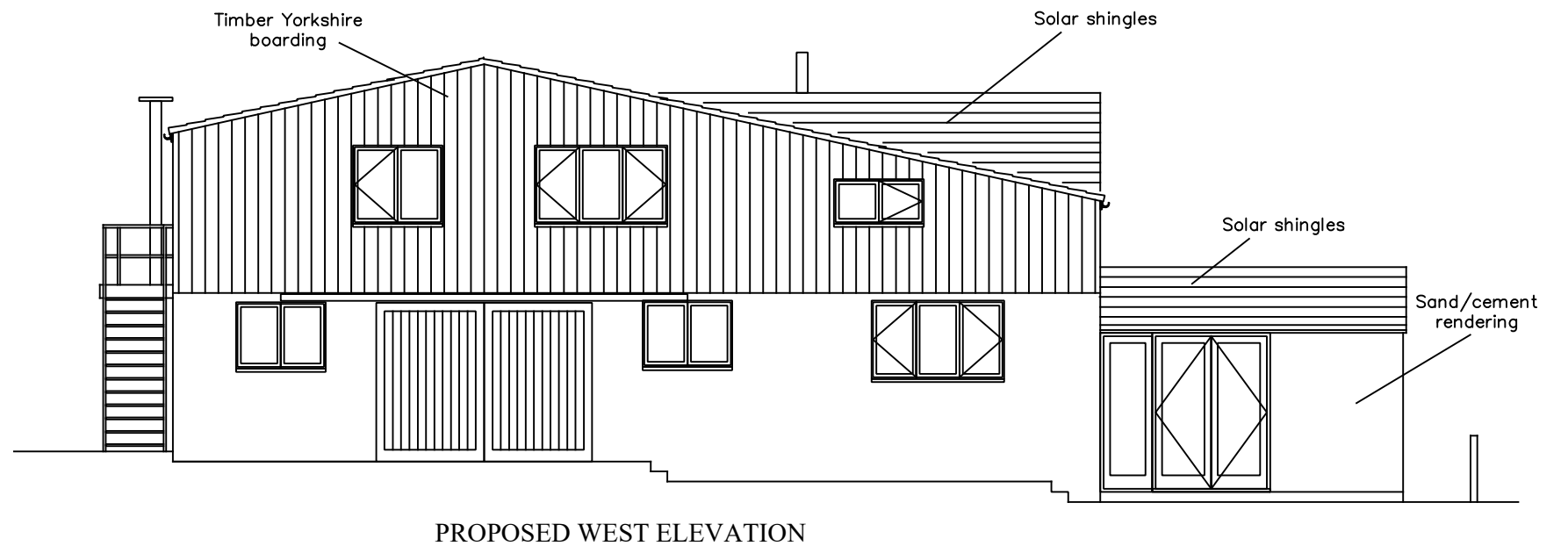
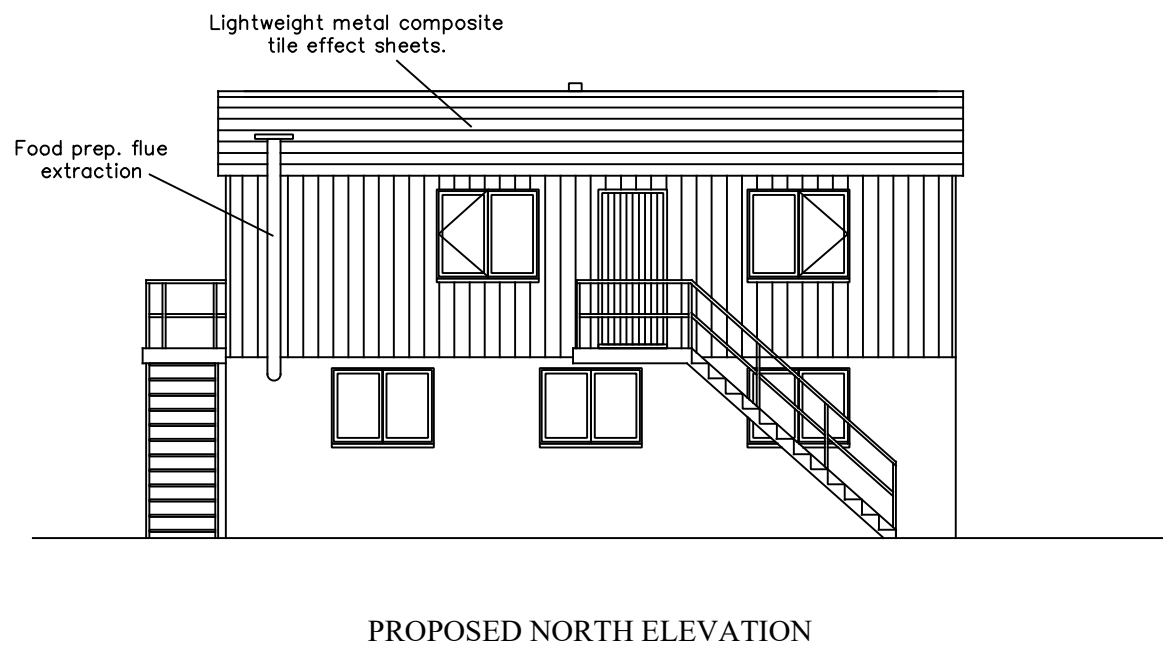
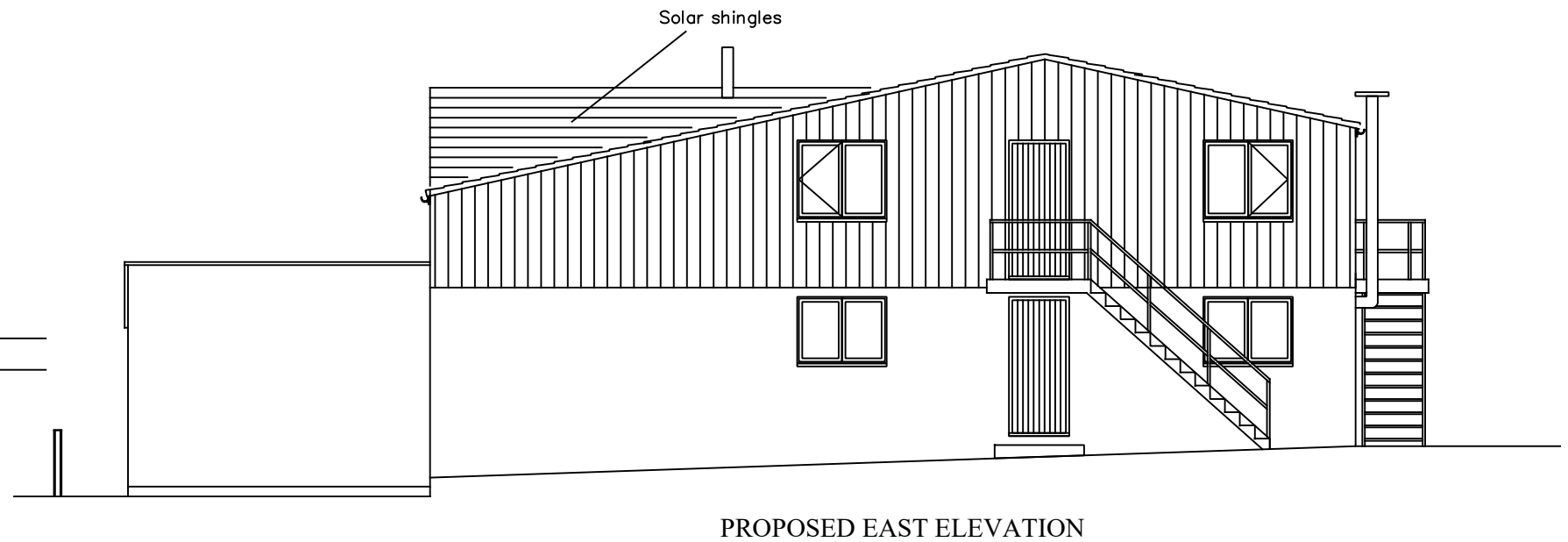
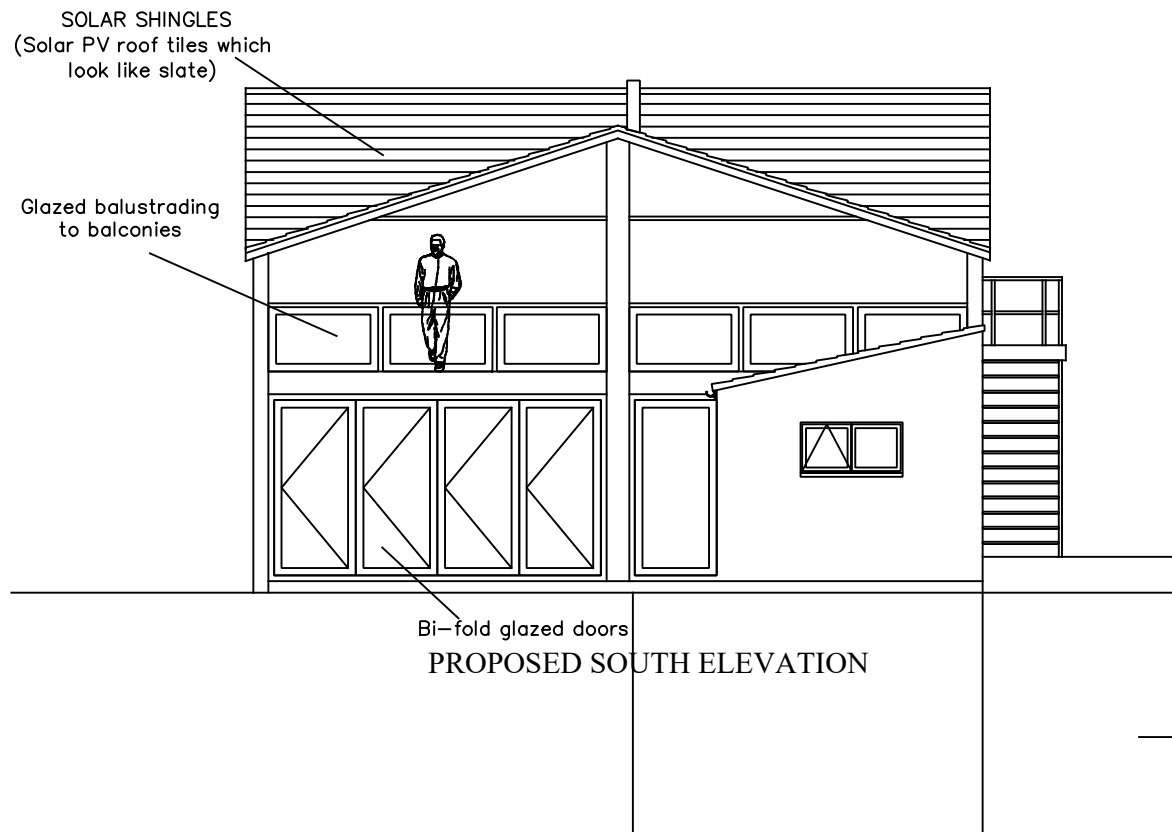
Alan Vandome
 Architectural Consultant
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 Stokesley TS9 5DL



Project
GRIBDALE STABLES, DIKES LANE
GREAT AYTON TS9 6HJ

Change of use from Equine Tracking Centre to Cycle Hire Shop, Cafe and Holiday Accommodation.

Title PROPOSED SITE PLAN	
Date September 2018	Scale A3 - 1/250
Drawn A V	Drawing No. S17.24(9-2A)



**PLANNING
APPLICATION
DRAWING**

A.	6mar19	Entrance foyer relocated. Roof tiles and cladding revised.
Rev	Date	Note

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Architectural Consultant
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Stokesley TS9 5DL



Project
**GRIBDALE STABLES, DIKES LANE
GREAT AYTON TS9 6HJ**

Change of use from Equine Trecking
Cente to Cycle Hire Shop, Cafe and
Holiday Accomodation.

Title PROPOSED ELEVATIONS	
Date September 2018	Scale A3 - 1/100
Drawn A V	Drawing No. S17.24(21)2A