

CURRENT DESIGN PROPOSALS

LANDSCAPING STRATEGY

Green spaces, and natural environments play a pivotal role within a Dogs Trust rehoming centre. Planting is used as natural screening, limiting dogs from seeing each other and inducing stress, as well as offering enrichment through smells, insects, and textures for the dogs.

The species of plants used as part of any Dogs Trust scheme need to be carefully considered, as some berries and leaves can be toxic to dogs, so a balanced and pragmatic design allows for good variation of planting, which isn't going to cause illness for the resident dogs.

The proposed landscaping layout is very sensitive to the existing established trees and green spaces, and looks to retain as much of this planting as possible. The new buildings, proposed pathways and hard surfacing have been set out to ensure minimal impact on existing mature trees.

Overall, the development will provide a biodiversity net gain, as set out within the ecological reports submitted as part of this application.



CURRENT DESIGN PROPOSALS

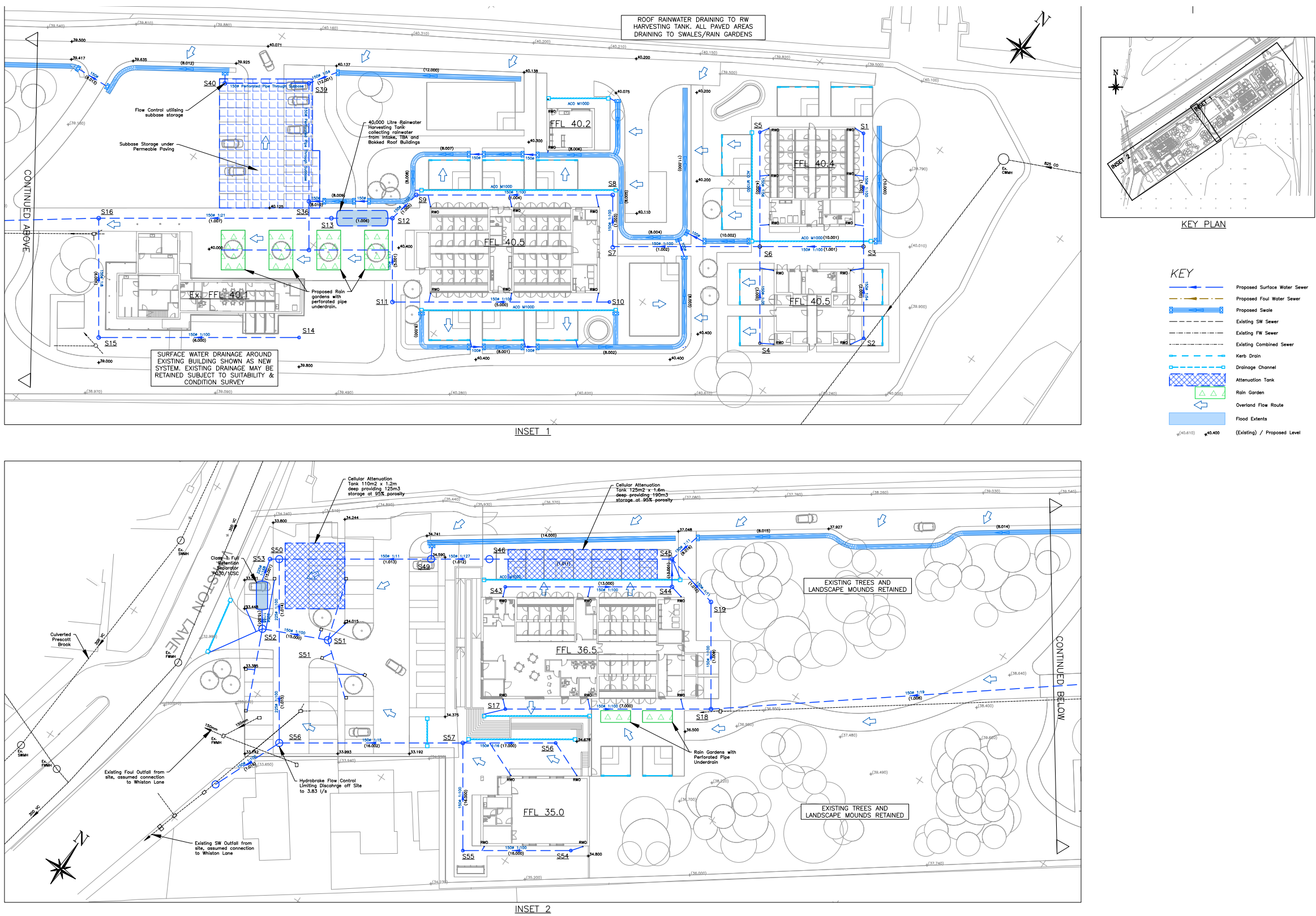
DRAINAGE STRATEGY

The existing rehoming centre suffers from poor surface drainage, which results in unusable paths and green spaces for the dogs, for the majority of the winter months.

To improve this, the proposed drainage scheme incorporates a series of naturally flowing, gravity fed drainage swales, which meander and cross between the series of buildings collecting surface water. These are generally linked to soakaways installed below hard surfacing, which then feed pipes under ground, taking the water out of the site.

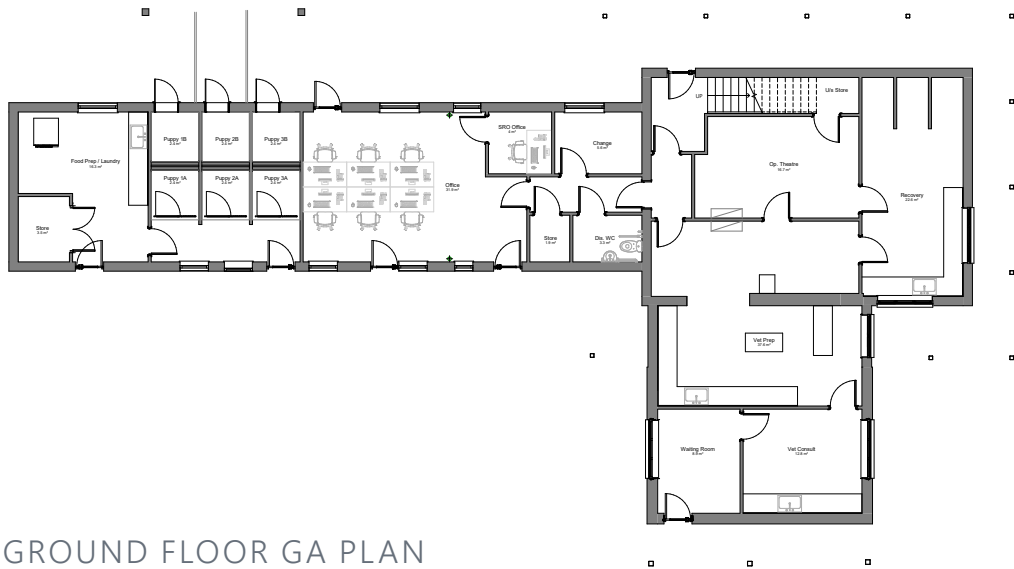
The scheme also incorporates a rain water harvesting system, which allows a capacity of 40,000 litres to be used for wash down of kennels and external areas.

Detailed drainage documentation has been submitted as part of this planning application.

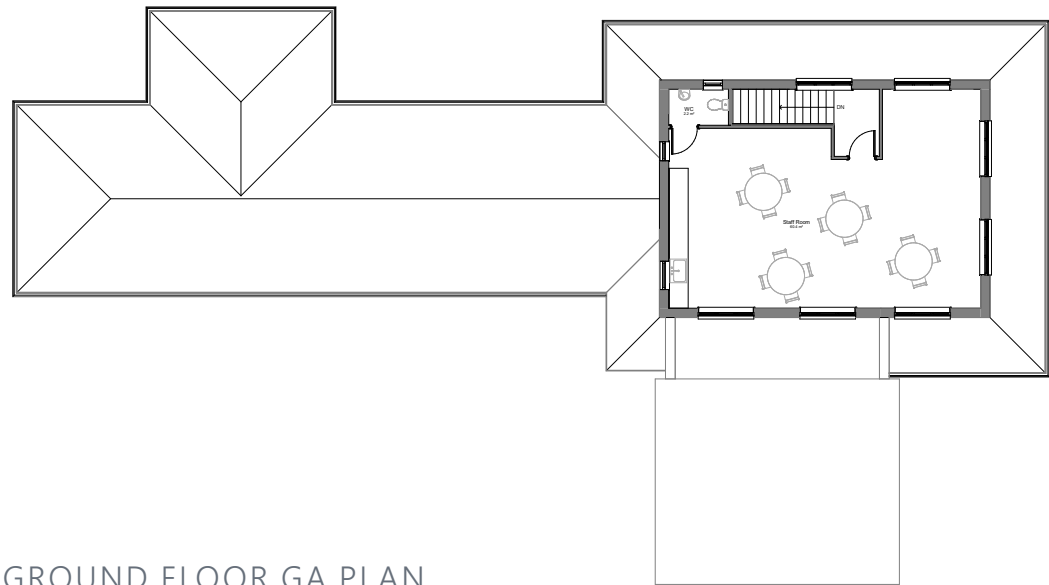


CURRENT DESIGN PROPOSALS

REFURBISHMENT PROPOSALS – EXISTING RECEPTION BUILDING



GROUND FLOOR GA PLAN

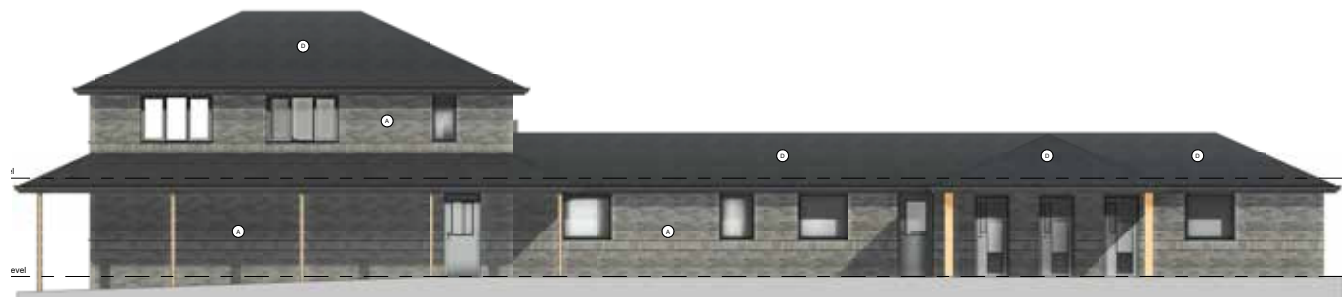


GROUND FLOOR GA PLAN

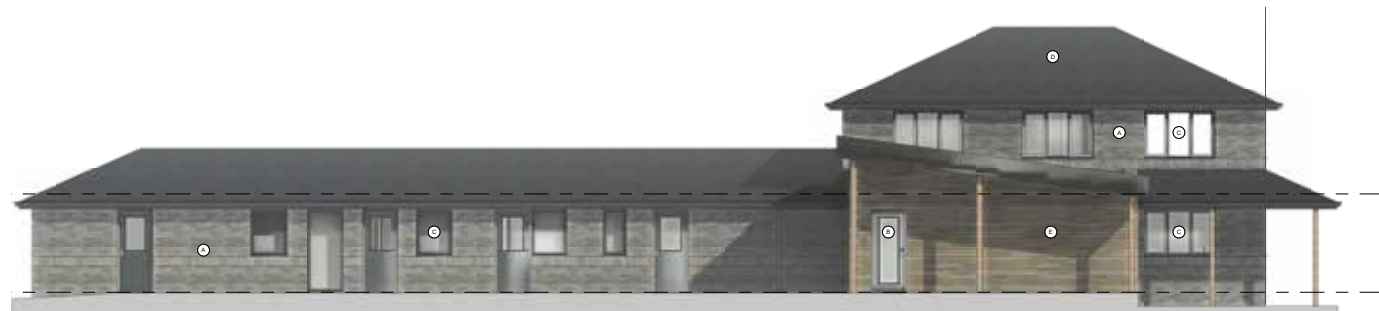
MATERIALS KEY

- A. - Existing Facing Brick to be painted. Colour: Grey
- B. - Aluminium windows and doors (Existing).
- C. - uPVC Windows and doors (New).
- D. - Existing roof tiles.
- E. - Existing Timber Cladding .
- F. - Existing render to be retained.

All existing uPVC windows and doors to be replaced.



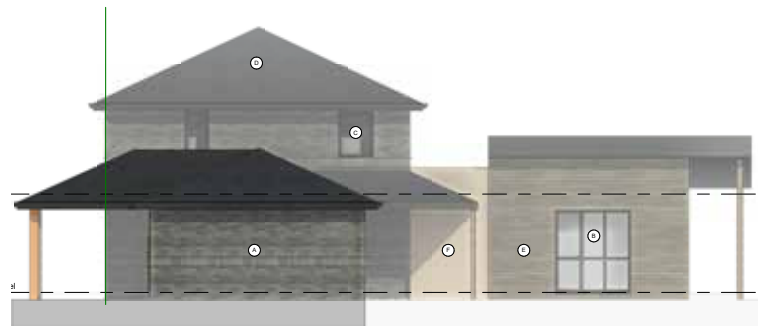
FRONT ELEVATION



REAR ELEVATION



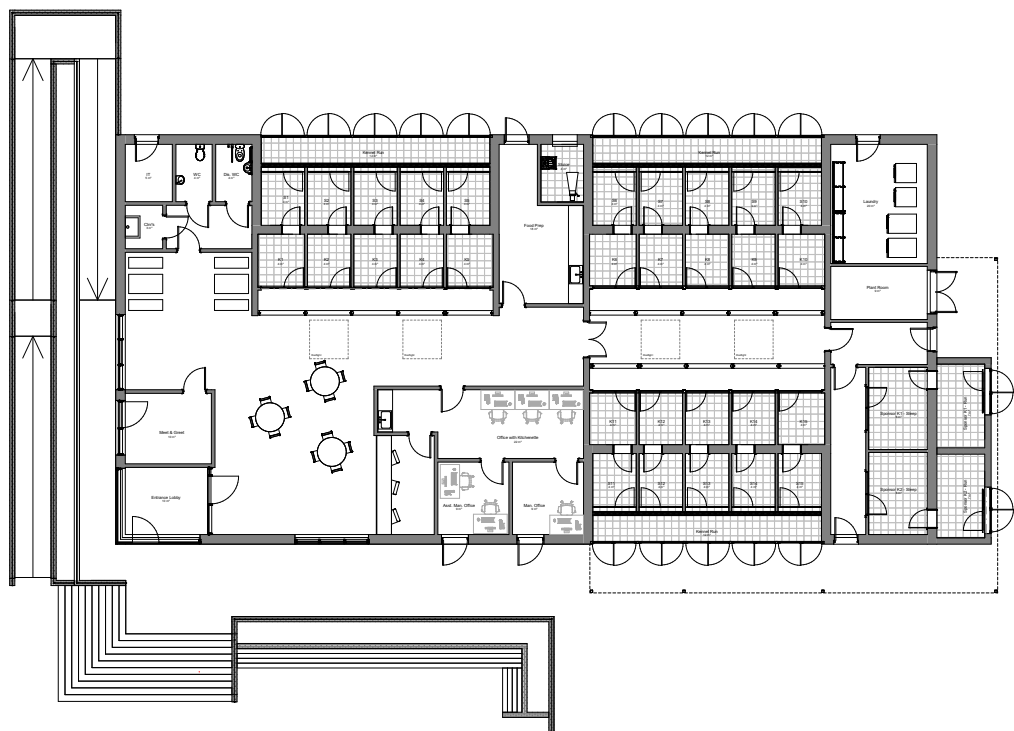
SIDE ELEVATION 01



SIDE ELEVATION 02

CURRENT DESIGN PROPOSALS

NEW BUILD PROPOSALS: REHOMING BUILDING

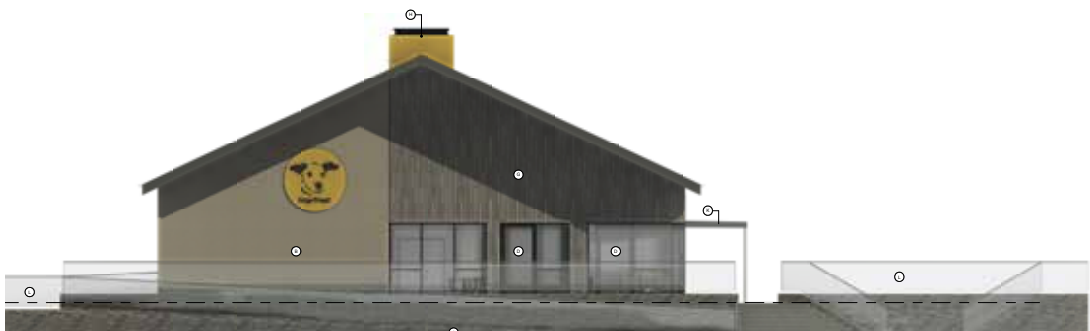


GROUND FLOOR GA PLAN

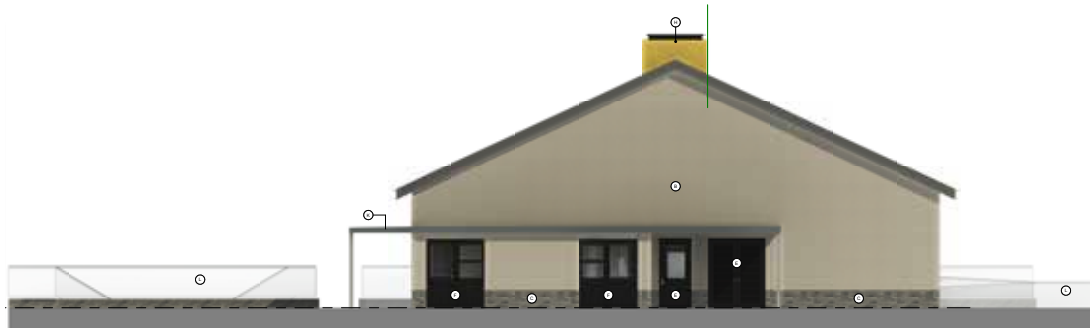
MATERIALS KEY

- A. - Metal cladding panel roof system
- B. - Fibre Cement cladding panel wall system
- C. - Facing Brick Plinth - Grey Multi blend
- D. - Aluminium Curtain wall with incorporated windows / door.
- E. - uPVC Windows and doors.
- F. - uPVC Acoustic Screen.
- G. - Feature Cladding System
- H. - Velux Rooflight to ridge
- I. - Facing Brick work to form external ramp / stairs. Brickwork to match facing brick plinth.
- J. - Facing Brick work wall to form retaining planted area. Area to form external benching.
- K. - Single Ply membrane roof
- L. - Glazed Balustrade

 Hatch depicts indicative layout for photovoltaics.



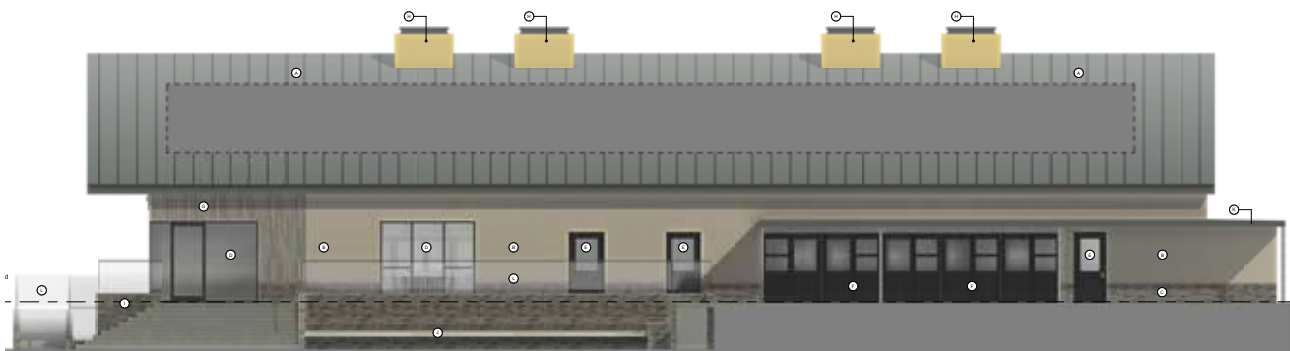
FRONT ELEVATION



REAR ELEVATION



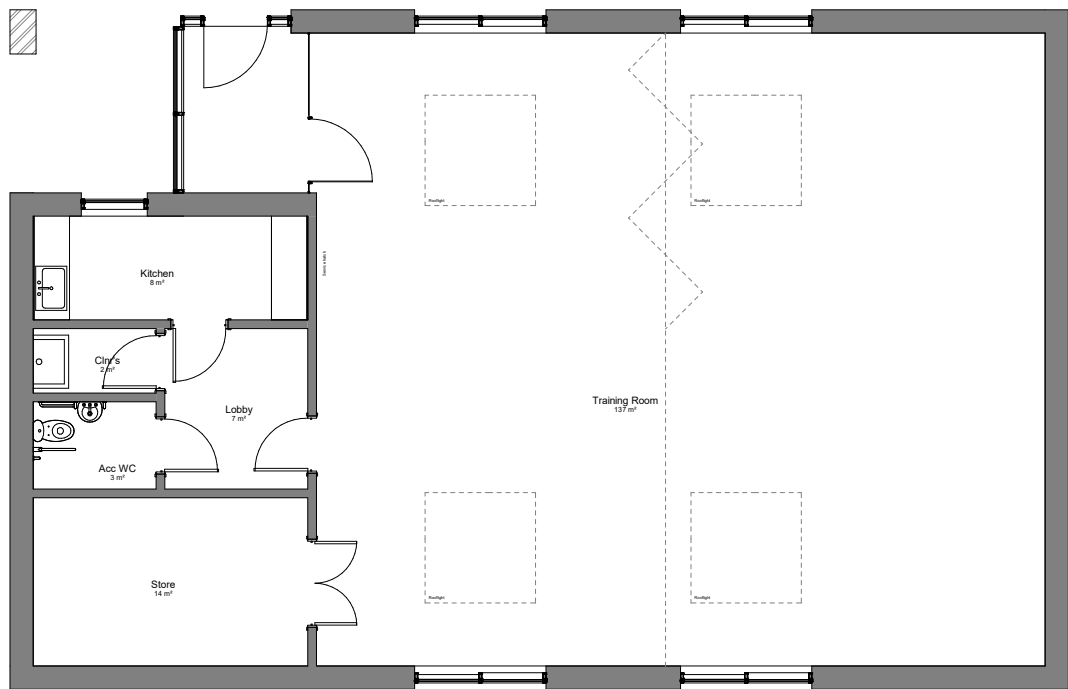
SIDE ELEVATION 01



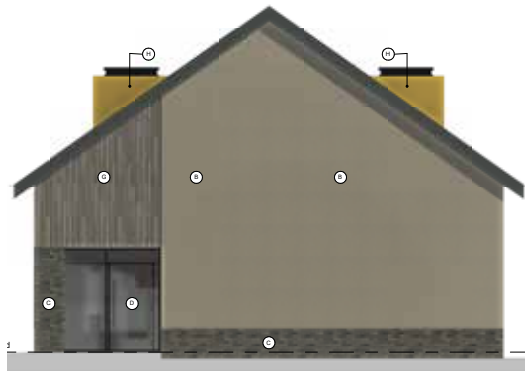
SIDE ELEVATION 02

CURRENT DESIGN PROPOSALS

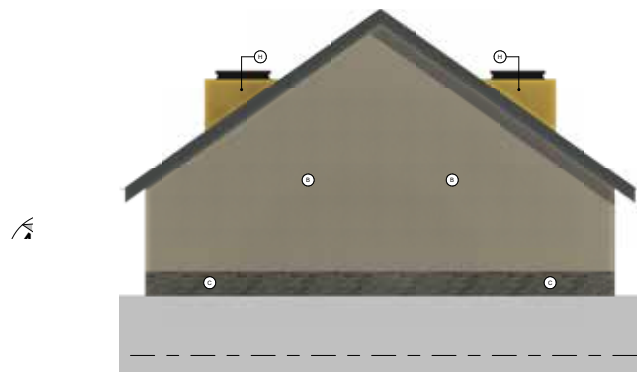
NEW BUILD PROPOSALS – TRAINING BARN



GA PLAN



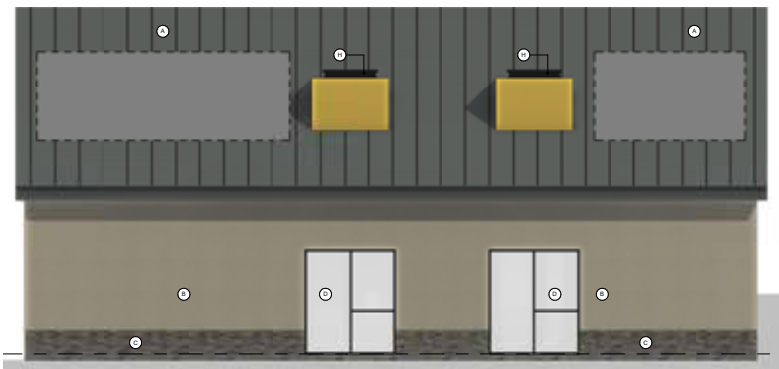
FRONT ELEVATION



REAR ELEVATION



SIDE ELEVATION 01



SIDE ELEVATION 02

MATERIALS KEY

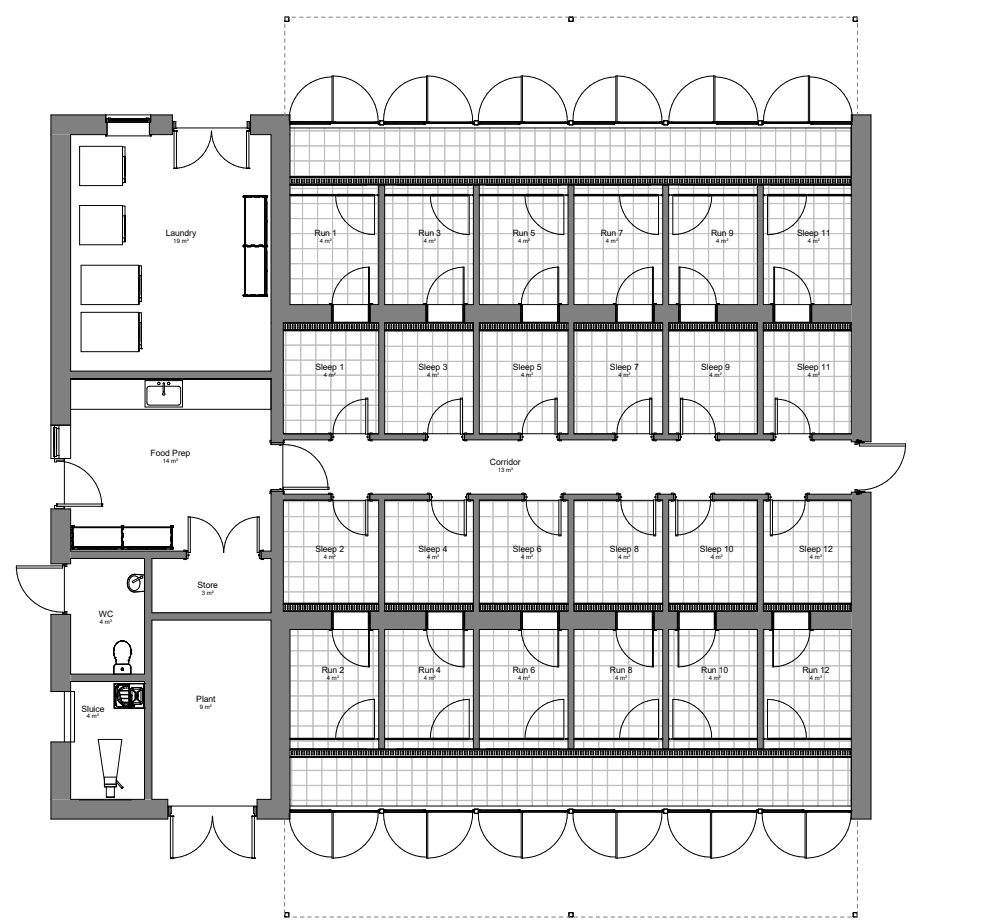
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CURRENT DESIGN PROPOSALS

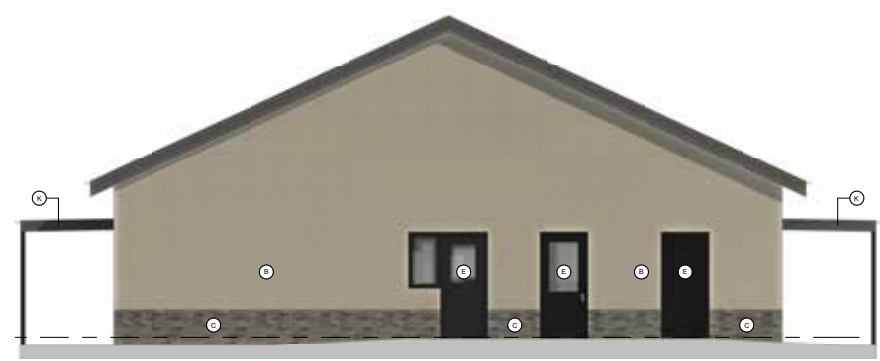
NEW BUILD PROPOSALS – BOOKED



GA PLAN

MATERIALS KEY

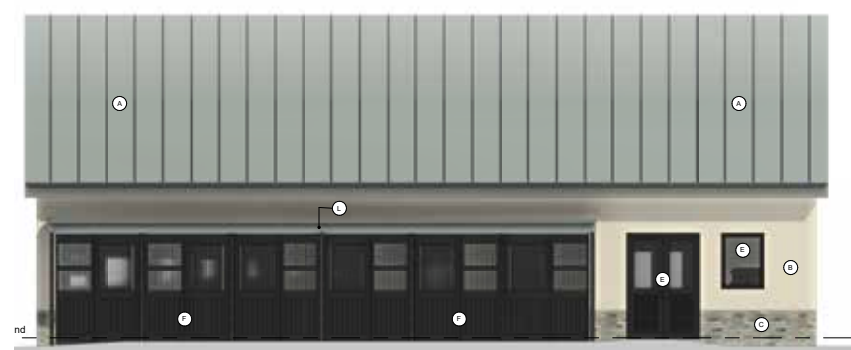
- A. - Composite metal cladding panel roof system
- B. - Composite metal cladding panel wall system
- C. - Facing Brick Plinth - Grey Multi blend
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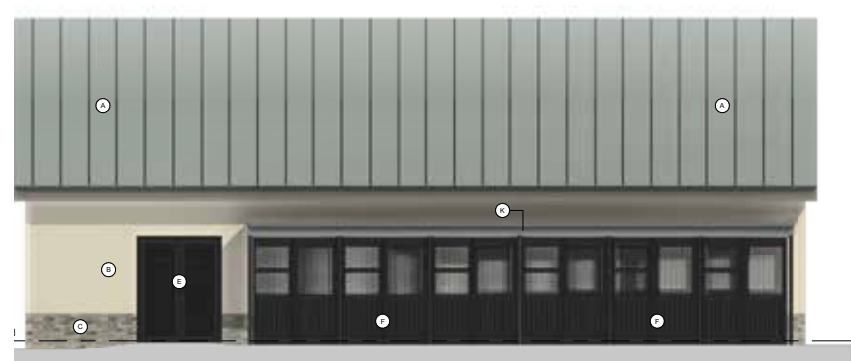
FRONT ELEVATION



REAR ELEVATION



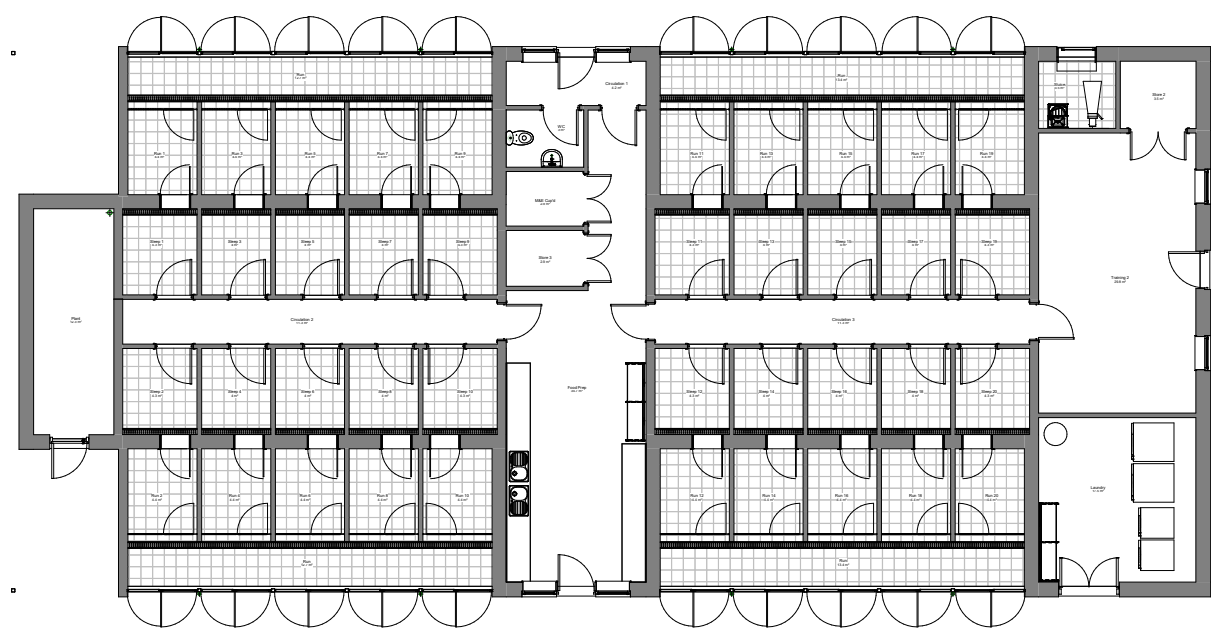
SIDE ELEVATION 01



SIDE ELEVATION 02

CURRENT DESIGN PROPOSALS

NEW BUILD PROPOSALS – INTAKE

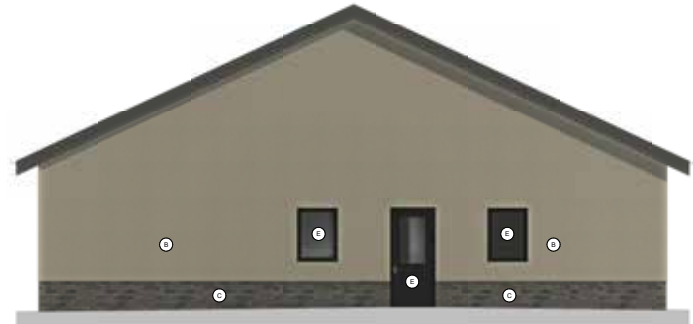


GA PLAN

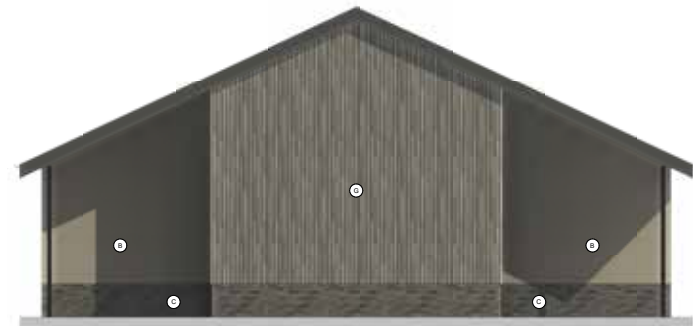
MATERIALS KEY

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FRONT ELEVATION



REAR ELEVATION



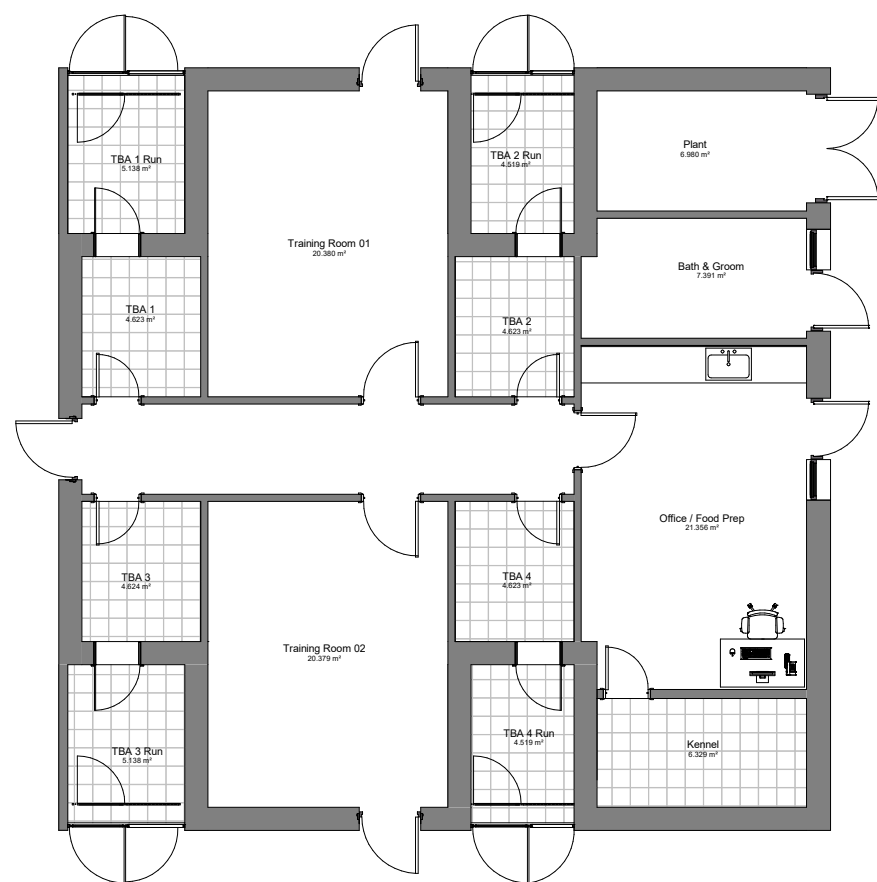
SIDE ELEVATION 01



SIDE ELEVATION 02

CURRENT DESIGN PROPOSALS

NEW BUILD PROPOSALS – TBA



GA PLAN

MATERIALS KEY

- A. - Composite metal cladding panel roof system
- B. - Composite metal cladding panel wall system
- C. - Facing Brick Plinth - Grey Multi blend
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FRONT ELEVATION



REAR ELEVATION



SIDE ELEVATION 01



SIDE ELEVATION 02

CURRENT DESIGN PROPOSALS

SUSTAINABILITY

In accordance with the policy to reduce CO2 emissions and meet Part L2 2021, all 5 new build units comply utilising a combination of "Be Lean", "Be Clean" and "Be Green" measures.

The proposals for the scheme have been developed in accordance with the desire to achieve an energy efficient and sustainable development. The development will be designed to achieve optimum energy performance and will incorporate the following design features:

- Significantly exceed the minimum fabric requirements of Part L2A (2021) of the Building Regulations.
- All buildings will include 100% low energy lighting and lighting control.
- All buildings will be provided with mechanical ventilation with heat recovery (MVHR) systems for ventilation within Offices and training areas.
- Cellular and management offices to be heated and cooled via a high efficiency split AC units
- Majority of the site to be heated via underfloor heating served by an air source heat pump with DHW priority
- It is not possible to serve the development from a district heating network.
- Renewable and zero carbon technology such as photoelectric solar panel are required to achieve compliance.

BE LEAN

The first step to achieving Building Regulations compliance and the targets outlined previously is to reduce energy demand. The measures associated with reducing demand can be termed as 'Energy Efficiency Measures'. The Proposed Development will incorporate a number of relevant energy conservation measures. In summary the following measures will be included:

- Improved air tightness;
- High performance building fabric;
- High performance glazing;
- 100% low energy lighting and controls;
- Mechanical ventilation with heat recovery.

BE CLEAN

After consumption has been reduced through the application of energy efficiency measures, the next step is to consider low carbon technologies in order to provide further reduction in carbon dioxide emissions. The following low carbon technologies have been investigated & considered for the proposed development.

- District heating network;
- Combined Heat and Power (CHP);
- Ground Source Heat Pump;
- Air Source Heat Pump.

Following investigation of the above low carbon technologies, it was concluded that CHP and District heating systems are not viable for this scheme. GSHP & ASHP are routes which will be further reviewed, which could be combined with a new heating system is installed with a 45/35°C flow and return serving underfloor heating manifolds. Any reduction in heating flow temperature will result in increased SCOP of the heating plant.

BE GREEN

Renewable Energy Technologies are those listed below which can provide a source of energy onsite that is not primarily based on the consumption of fossil fuels or grid electricity and/or utilises a heat source that is renewable such as ground source and solar thermal systems.

- Wind Power
- Biomass Heating
- Solar Thermal Hot Water Heating
- Photovoltaic Panels

Following evaluation of the above renewable energy technologies, we have determined that solar PV panels located on the top roof areas can be used to provide electricity generation which can contribute to the Local Authority Targets.

Please refer to the sustainability report for further detail.

CURRENT DESIGN PROPOSALS

ARCHITECTURE & MATERIALS

Massing & Scale

The design proposals for Dogs Trust Merseyside have been developed to be sympathetic, and respectful to the surrounding area.

The buildings are all of single storey, vernacular design, following a concept of contemporary 'minimalist modern'.

Window opening sizes are kept consistent, with emphasis on a set module.

Materials

The palette for the scheme has been kept simple, but bold. The site needs to make a statement, and it was felt following many design iterations, that a small, contemporary palette would suit the campus feel of the site.

Careful, considered and beautiful detailing of junctions and openings will provide this simple set of materials the extra dimension and quality.



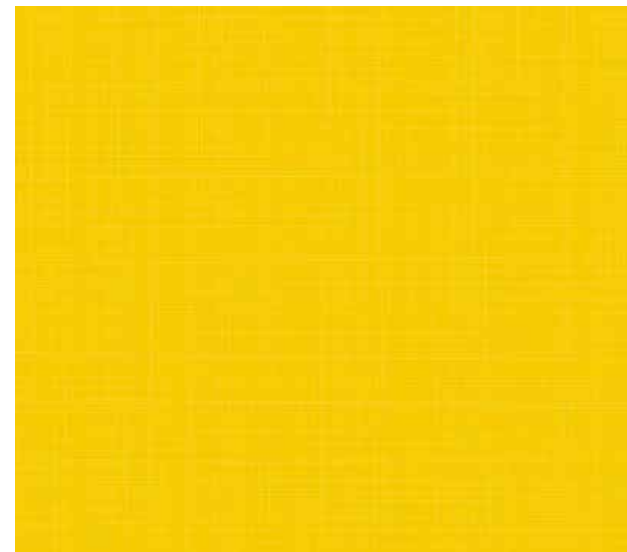
MILLBOARD PROFILED
VERTICAL CLADDING



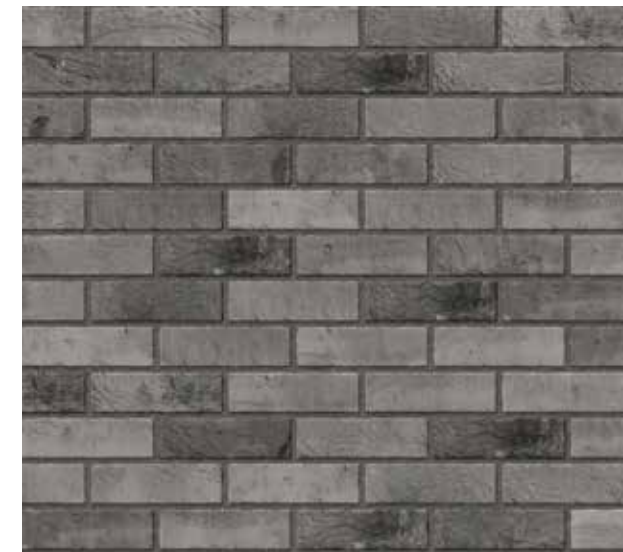
COMPOSITE ROOF PANEL



CATNIC STANDING SEAM



FEATURE YELLOW
TO ROOFLIGHTS



BRICK CONCRETE PLINTH

CURRENT DESIGN PROPOSALS

ARCHITECTURE & MATERIALS



CURRENT DESIGN PROPOSALS

ARCHITECTURE & MATERIALS



CURRENT DESIGN PROPOSALS

ARCHITECTURE & MATERIALS



COMMUNITY ENGAGEMENT

COMMUNITY BENEFIT & INVOLVEMENT

The centre is open 7 days per week for intake of unwanted dogs and rehoming to families by appointments, general viewing three days per week as well.

In 2022, the centre rehomed 457 dogs direct from the centre and another 34 dogs via volunteer foster homes. 80% of the dogs are unwanted pets for numerous reasons – moving house, allergies in the family, cost of living problems, owners health and mental health problems, owners change in circumstances are our top reasons for handovers.

- 15 % are strays taken by us from the local animal warden/kennels (Dogs not claimed back by their owners after being at the stray kennels for 7 days and then needing a rescue space to save them from risk of euthanasia)
- 5% of our dogs come via the local police, often seized from unsuitable homes when doing raids for other reasons ,or via vet practices – they often contact us to help with dogs taken in for euthanasia when an owner has passed, is in ill health or cant afford the dog for medical reasons etc.

- Over the past 22 years, the centre has rehomed between 650 and 750 unwanted dogs per year,even during covid periods the centre was still working and taking in desperate unwanted dogs
- 90% of dogs that come into Dogs Trust's care as unwanted or strays are from the North-West region
- The local RSPCA centre (Halewood) closed down a number of years ago and we have seen a big increase of handovers/strays needing help since their closure, especially during covid when many smaller rescues had to close down.
- All of the dogs are rehomed responsibly - fully vaccinated, neutered,and microchipped. We also promote this locally to the area to encourage responsible dog ownership
- Dogs Trust employs 33 staff at the centre (some are part-time)

- Dogs Trust have 48 regular volunteers (including people with disabilities and elderly) that help out at the centre and with any events we attend locally within the community too.
- Dog school holds numerous training classes for external public dogs as well as owned Dogs trust dogs at the centre three evenings per week. This is to educate the public and to help them train their dogs & puppies as responsible owners.
- Our education officer Angela visits Northwest schools all year through, Mon to Friday's, educating children in how to act safely around known and unknown dogs and how to be responsible when owning a dog.
- We support the local food banks and some local people to our centre with dog food donations weekly,to help people who are struggling with the cost of living.
- At the moment Dogs Trust have 85 dogs on a waiting list needing our help ASAP. When we do have kennel space, this number could be easily doubled but often people won't wait on the list.