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Our Ref: HWRC
Your Ref: FULL/2021/0023

21 January 2021

Dear Mr Rowles

**Longue Hougue Household Waste Recycling Centre – Planning Application
for Additional Operational Features - FULL/2021/0023**

Further to your letter dated 13 January 2021, please find attached additional information relating to the proposed cantilever all-weather shelters proposed for the Household Waste Recycling Centre (HWRC), as request following the initial submission of this planning application.

This had previously not been included as the supplier had yet to be selected; however quotes received all have the same specification. This specification is now attached.

Should you have any further queries regarding this application, please do not hesitate to contact me.

Yours faithfully

A handwritten signature in blue ink, appearing to read "Rob Roussel".

Rob Roussel
Senior Technical Adviser
Guernsey Waste

Longue Hougue Household Waste Recycling Centre Planning Application for Additional Operational Features - FULL/2021/0023

Supporting Statement – Additional Information

As requested in the letter dated 13 January 2021, additional information regarding the proposed cantilever all-weather shelters for the HWRC are provided below.

Feature D – All-Weather Cantilever Shelter

It is proposed to install two all-weather shelters to provide temporary shelter for site staff both during sunny weather and wet weather. These shelters are more open than the wet-weather shelter (Feature C) and are designed to provide temporary shelter for the staff at the same time as they are providing customer services to site users. The tinted polycarbonate finish to the shelters provides UV protection to site staff during the summer months, and temporary shelter from rain showers all year round.

It is proposed to install two shelters on the raised drop off section of the HWRC as indicated in Figure 1 below. Figure 2 provides photographic representation of the shelter to be installed, although this image is illustrative only, and shows a two bay shelter with seating as opposed to the three bay shelters without seating proposed for the HWRC.

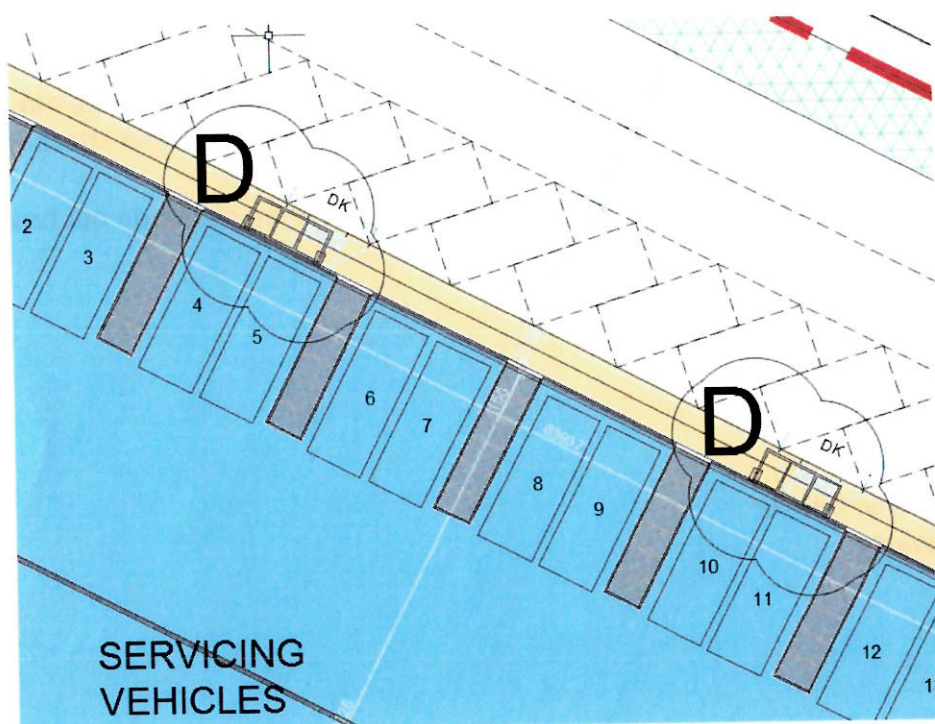


Figure 1 All-Weather Cantilever Shelters - proposed locations (Feature D)



Figure 2 Illustrative All-Weather Cantilever Shelter (two bay).

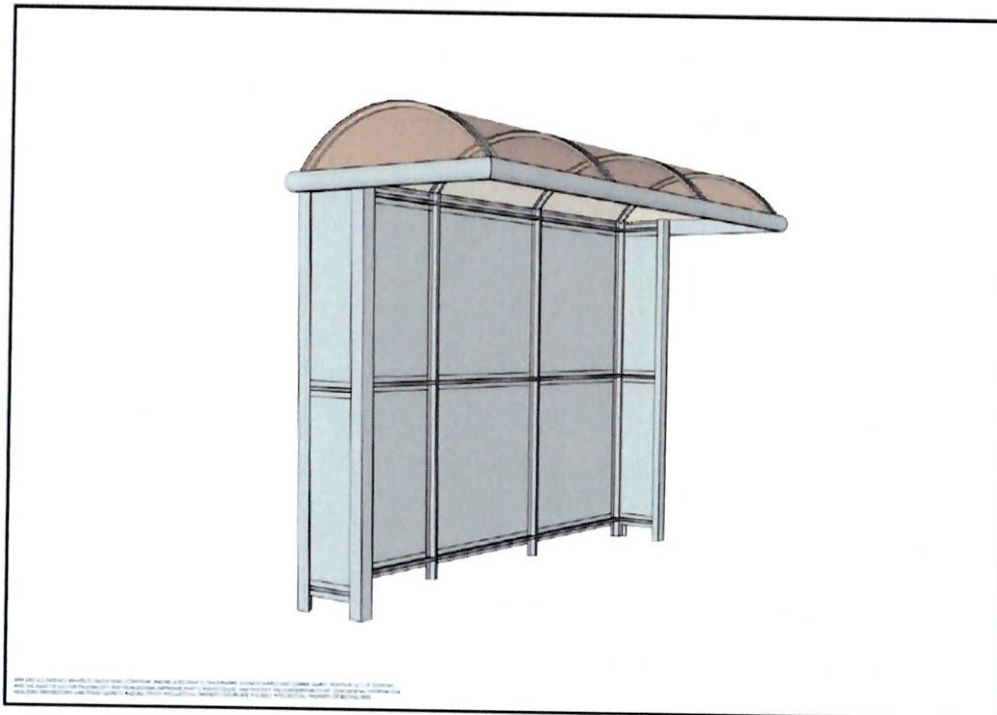


Image for illustration purposes only

**Figure 3 Illustrative Design of All-Weather Cantilever Shelters for HWRC
(three bay, rear and side panels to be transparent)**

The design of the all-weather cantilever shelters for the HWRC is illustrated in Figure 3 above; although the rear and side panels will be transparent. Full specifications are provided as follows:

Dimensions:

- Length 3,060mm
- Width 1,300mm
- Height 2,500mm
- ¼ end panel width 300mm

Frame detail:

- Aluminium, marine powder coated with paint colour Merlin Grey (RAL 190 40 05) to match the HWRC reception hut and neighbouring Waste Transfer Station facilities building.

Roof/Rear & Side Panels

- Transparent Polycarbonate with UV protection, 4mm thickness. PALSUN® UV2 Co-extruded UV protection on both sides (see data sheet attached).

The preferred supplier is BC Shelters, Burscough, Lancashire.

Data Sheet - PALSUN® UV2

Flat Solid Polycarbonate Sheet



Product Definition

PALSUN® - Co-extruded UV protection on both sides

Thickness Range

1 to 15 mm

Flammability

Standard	Classification
EN 13501	B, s1, d0
NSP 92501, 4	M2
UL Classified	File e221255

**All the above depends on thickness.*

For additional information please contact PALRAM.

Typical Physical Properties

Property	Standard	Conditions	Unit	Value
Density	ASTM D792		g/cm ³	1.2
Heat Deflection Temperature	ASTM D648	1.82 MPa	°C	130
Service Temperature Range			°C	-40 to 120
Coefficient of Linear Thermal Expansion	ASTM D696		cm/cm °C	6.5 X 10 ⁻⁵
Thermal Conductivity	ASTM C177		W/mK	0.21
Tensile Strength at Yield	ASTM D638	10 mm/min	MPa	65
Tensile Strength at Break	ASTM D638	10 mm/min	MPa	60
Elongation at Yield	ASTM D638	10 mm/min	%	6
Elongation at Break	ASTM D638	10 mm/min	%	>90
Tensile Modulus of Elasticity	ASTM D638	1 mm/min	MPa	2300
Flexural Strength	ASTM D790	1.3 mm/min	MPa	100
Flexural Modulus	ASTM D790	1.3 mm/min	MPa	2600
Impact Falling Weight (E-50)	ISO 6603/1	3mm sheet	J	158
Rockwell Hardness	ASTM D785		R Scale	125R
Light Transmission	ASTM D1003	3mm sheet	%	89
Haze	ASTM D1003	3mm sheet	%	<0.5
Yellowness Index	ASTM D1925	3mm sheet		<1

