GRP CANOPIES LTD
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15 OCT 2009

DESIGN & ACCESS STATEMENT

About us:

At GRP Canopies Ltd we are unique in the market place by being able to offer a complete professional in-house service. We specialize in the design, manufacture and installation of canopies, carports, patio canopies, covered walkways and loading bays in cantilevered and traditional designs. At GRP Canopies Ltd, our philosophy is to combine four important elements to create the ideal solution: Design, Manufacture, Installation & Value.

Initial design brief:

We were initially approached by Mrs. Card to design a traditional carport to provide shelter from the weather elements.

Outcome of design brief:

Taking the design brief and site area into careful consideration we opted for the traditional system.

Technical aspects: Roof beams (Design reg. Profile) extruded in structural grade alloy 6082T6 (BS1474), white powder coated (BS 6496)

Sheeting: The GRP roofing sheets (85% translucent) are machine formed to an exclusive profile with co-extruded ultraviolet filter. This sheeting is designed by our own R&D department to provide maximum strength with an expected service life of 30yrs. Our sheeting conforms to all relevant British Standards including a class-3 fire rating.

Posts: Posts extruded in structural grade aluminium (BS 1474), white powder coated (BS 6496)

Wall fixings: Wall fixings are manufactured by Hilti Great Britain. These would normally be mechanical (20mm diameter) or chemical anchors depending on the base material to which the beams are being fixed. Where necessary, in-house we have the facility to conduct onsite pullout load testing.

Fascia: Fascias as standard are in structural grade alloy 6082T6 (BS1474), powder coated (BS6496). Although a plastic fascia would be cheaper, it is liable to buckling and would spoil an otherwise highly specified product.

Brackets: On occasion circumstances dictate that load-spreading brackets are required. These brackets are fabricated in grade-43 steel, galvanized (BS EN ISO 1461) and powder coated (BS6496). This finishing of the brackets is to a marine specification and will not require any maintenance. Brackets are only added where necessary so as to comply with BS6399 part3, therefore ensuring the canopy's structural stability. Any shortcut of this process is highly inadvisable.

G.R.P. CANOPIES LIMITED

Canopy House, Coalsnaughton, Tillicoultry, Clacks, Scotland
FK13 6LH. Tel:(+44) 01259 753800 Fax: (+44) 01259 753801

Edgcott House, Lawn Hill, Edgcott, Aylesbury, Bucks, England
HP18 0QW. Tel: (+44) 01296 770800 Fax: (+44) 01296 770423
www.123V.com Mail@123V.com
Registered BS EN ISO 9001 Cert. No. GB1708

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Installation Method

Roof beams are bolted to alloy fascias. Alloy fascia bolted to alloy posts. Roof sheets are fixed with self-drilling screws, and then fitted with caps. Posts concreted into new foundations. Gutter screwed to fit.

This specification in terms of Design, Manufacture and Installation has been formed so as to take into account both parties obligation to the Heath & Safety at Work Act 1974.

Each canopy is made to suit individual requirements including a full range of colours, in our own factory under British Standard EN ISO 9001:2000. This covers for the Design, Manufacture and Installation of Open Sided Structures.

Risk Assessment:

The follow risks have been identified for traditional installations:

Site area: Area to be coned off, prohibiting public access

Electric shock: All on site power will be transformed down to 110 volts. All electric appliances will have been inspected prior to commencement of works.

Falling from height. Due to the low heights involved ladders will be used. Hard hats to be worn at all times.

Trip hazards: The site will be kept in a state so as to minimize trip hazards, with particular attention being paid to electrical cables.

Vehicle movements: High visibility waistcoats to be worn by all site staff.

Cutting, burning and crushing: Safety gloves, glasses and boots to be worn. There is a high risk of eye contamination due to the use of powers tools. Eye protection to be worn at all times. Eye wash bottle available for immediate use.

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Other details:

The site area is not part of a conservation area

The carport is to provide our client with a covered area for commercial use.

If you require any further information, please do not hesitate to get in touch.

Assuring you the best of services at all times.

Michelle O' Brien
Administration (mail@123v.com)

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