

List of Materials

Planning Reference: R/243/14/PL

Property Address: 69 Broadmark Lane, Rustington, BN16 2HL

Main Structure

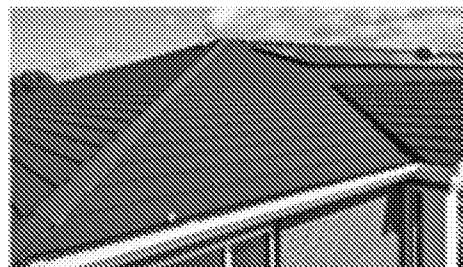
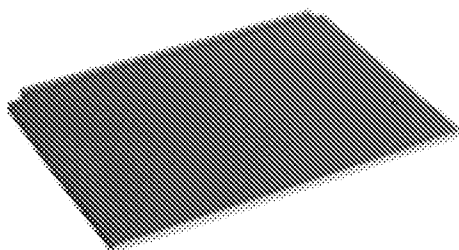
A closed panel timber frame structure will be used to erect the main structure of the building. A full list of the materials is provided below

Ground Floor	
DPC	DPC layer below all soleplates. 140 mm wide for external walls.
	100mm wide for internal walls.
Soleplates	38x140mm and 38 x 89mm treated CLS timber, supplied to suit panel widths.
Fixings	HPS 8/60 Hilti Hamma screws @ 900mm crs. Or similar.
Walls	
External Panels	Prefabricated 38 x 140mm C16 rails and studs. Studs @ 600crs and 2400mm height maximum.
Sheathing	9mm OSB 3 sheathing pre-fixed to panels
Breather Membrane	Protect TF200
Apertures	2/44 X 194mm stress graded lintels C24 (min).
Service zone battens	25 x 38mm if costed
Vapour control	Glidevale Vapour Control foil
Internal – Loadbearing	Prefabricated 38 x 89mm or 140mm C16 CLS rails and studs. Studs @ 600crs maximum.
Structural Sheathing	9mm OSB 3 pre-fixed to panels where structurally required.
Apertures	2/44 x 194 stress graded timber lintels C24 (min).
Internal – Non Loadbearing	Prefabricated 38 x 89mm C16 CLS rails and studs. Studs @ 600crs maximum. (mid height noggins are not included or required)
Upper Floors	

JOISTS	Metalweb engineered floor joist system @ 600crs maximum, pre – assembled, where possible)
	to form floor cassettes. (Loose joists may be supplied where design or practicality dictates
Flooring	22mm P5 Weather Deck, inclusive of adhesive and joint tape or similar.

Roof Tiles

The roof tiles to be used are a Marley Eternit product that is an industry standard, interlocking slate tile. Some images of the tiles can be found below



Product specification

Advantages

- > 40% thinner than standard interlocking slates
- > Excellent covering capacity
- > Can achieve an A+ rating in the BRE Green Guide to Specification*
- > Accredited to the BES 6001 standard for responsible sourcing

External Cladding / Rendering

The external finish of the property will be achieved using two products. The lower half of the property will be rendered using a silicone render product. The top half of the property will be finished with a weather board cladding system supplied by Marley Eternit. We have provided some sample images below to provide a visual example of the finish we are aiming to achieve.



Render System

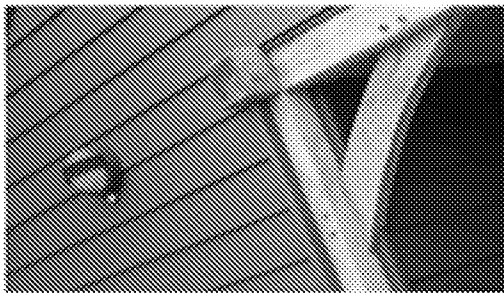
Silicone KR provides a highly durable colour fast and anti-crack finish, offering much greater levels of flexibility and weather protection from the elements over that of traditional or purely mineral based renders. The product is available in an extensive range of colours and thickness finishes. The application is hand or machine applied.

- Anti-crack capabilities/properties.
- Exceptional weather proofing properties.
- Vapour permeable, allowing the release of excess condensation.
- High levels of impact resistance.
- Can be applied to a wide variety of substrates.
- Very low maintenance with self cleaning.
- Excellent adhesive and ease of application.
- 50 year track performance throughout Europe.
- The product carries a BBA certificate and manufactured to ISO 9001 standard.
- Water repellence.

External Cladding

The external cladding will be finished in a white weather board. The details of the product can be found below.

Cedral Weatherboard



Cedral Weatherboard

Advantages

- > Excellent aesthetics
- > Resistant to rot and insects
- > Low maintenance
- > Easy to install
- > Comprehensive range of matching aluminium trim

Windows & Doors

The chosen window manufacturer is Velfac. Velfac composite windows bring together the best of both worlds; the durability and versatility of aluminium and the beauty and warmth of natural wood. Aluminium is both highly durable and low maintenance, ensuring the windows will last 40 years or more. The wood frame contributes to great energy performance with u values as low as 0.8m2k.

A sample image of the windows can be found below.



The profile and dimensions of the windows are detailed below, which formed part of the quotation provided by Velfac.

Dimensions (mm): 1800 x 2200mm
ES - depth of unit 104 mm from this 90 mm frame
W1-dia.: 800 mm
W2-dia.: 800 mm
Colour wood: 18% OAK/82% OAKEN/1
Glass/panels: CLEAR SAFETY/ENERGY SAFETY
4-14-1/0.78/1 WE ONLY W. ARROW
0-1.14 g-0.63 10-0.79
8071/88410
Additional guest:Secondary Gasket 99.127

Seal 1: Type 210 fixed
Seal dia. (mm): 894 x 1200 mm
Trickle vent Click vent, left side
Glassing bar: 87. 34 mm Glassing bar
Plan, glassingbar: Symmetrical
Height sec. 1: 1100 mm (centre G.S.)
Height sec. 2: 1100 mm
Colour coverplate:Granit 01-Gray

Seal 2: Type 210 fixed
Seal dia. (mm): 894 x 1200 mm
Trickle vent Click vent, right side
Glassing bar: 87. 34 mm Glassing bar
Plan, glassingbar: Symmetrical
Height sec. 1: 1100 mm (centre G.S.)
Height sec. 2: 1100 mm
Colour coverplate:Granit 01-Gray

Frame machining (viewed from outside)
Nullion/Transom 44 mm (depth)
Attach Presser: 011