



Building Your Future For A Better World

“Mountain Range” Homes Specification
Western Red Cedar Cladding Option

Item	Specification	Included
General	The package is designed to have a 2.43m standard structural ceiling height, with a screeded masonry ground floor (by others) and suspended timber floor on upper levels with chipboard finish. The homes can be supplied with 19mm or 50mm cavity voids, dependant on the geographical location of the proposed site.	
Foundation & Ground Floor	Assumes Supplied and Constructed By Others.	✗
External Walls	External wall panels are pre-assembled, including the breather membrane fitted. Panels Pre-Insulated Using Rigid Foam Insulation – See Below Panels Have Single Use Hoisting Straps Fitted. 45 x 145 Treated Whitewood Studs (at 600mm Ctrs); Locating; Bottom; Top & Headbinder Rails 12.5mm Plywood sheathing 'Thermo' Breather Membrane; S.S. Insect Screen at Base Lintols – multiple 45 x 195 or 245, Treated Whitewood.	✓
Internal Walls	Internal wall panels will be pre-assembled where reasonable. Racking ply fixed if applicable. 45 x 95 Treated Whitewood Studs; Locating, Bottom, Top & Headbinder Rails (Headbinder for Racked Only) ; Studs at 600mm Ctrs 45 x 145 Treated Whitewood Studs; Locating, Bottom, Top & Headbinder Rails (Headbinder for Racked Only) ; Studs at 600mm Ctrs 12.5mm Plywood sheathing (where structurally reqd) Lintols – multiple 45 x 195 Treated Whitewood	✓
Upper Floors	Structure Formed Using Proprietary Metal Web 'Posi' Joists And Includes :- <ul style="list-style-type: none"> Proprietary 'METAL WEB' Joists & Blocking Proprietary Timber Glulam Beams & Perimeter Joists Flooring : 22mm V313 Moisture Resistant Chipboard Elastomeric And PVA Timber Adhesive for application to joists and joints (all). Screws for fixing. All Fixing Hardware 100mm Sheets of Rigid Foam Insulation (Thermal Conductivity 0.022 W/mK) for installation to perimeter, on site. Foam Gaskets for fitting above & below perimeter joists. 	✓
Roof Structure	Post & Beam Style, Vaulted Main Roof Structure. Consisting of :- <ul style="list-style-type: none"> European Whitewood Glulam Ridge Beam Metal Web joists at 600 ctrs, and of minimum 300 depth. Where A 'Prow' Feature Gable – Projection To Be 1200mm At Apex, 600-800mm At Eaves. Full Joists. (Perimeter Beams To Support Eaves To Be Multiple 45x195 With Cladding As Walls). Preformed Trusses Over Non Vaulted Areas : Infill Trusses to Valleys Prefabricated HD Gable Ladders To End & Dormer Gables	✓
	Blocking & Stops as reqd. Fixing Hardware where reqd. 12mm PLYWOOD Sheathing Over Whole Roof Breathable Membrane To General Roof Treated Whitewood framing materials for eaves; soffits and gable overhangs. Soffits to be formed using 19 x 145 WRC Channel "Profile 1" c/w proprietary Vent Strip for fixing on site. Fascia to be 19mm WRC board – see below. Whitewood (treated) framing materials for eaves; soffits and gable overhangs. 12 x 38 Treated Softwood Counter Battens 25 x 50 Treated Softwood Tiling Battens to BS5534	✓
Roof Finish	Not Included.	✗
Cladding	WESTERN RED CEDAR (WRC) :- (Dressed ; All Untreated) - 19 x 145 Cladding boards – Channel "Profile 1" – to all external walls for horizontal fix (vertical fix available as an option). - 19 x 145 Cladding boards – Channel "Profile 1" – to all soffits (excludes Veranda ceilings). - 19 x 184 and 19 x 220 Smooth Fascia Boards – STK Grade (Multi Board to Prow Fascia) - 19 x 90 Corner, Window and Door Trim boards.	✓
Insulation	Roof : 300mm (2x150) Glasswool Insulation quilt (Thermal Conductivity 0.040 W/mK) Ext. Walls : Multi layer wall designed to achieve a 'u' Value Of Approx. 0.12 Wm²K <ul style="list-style-type: none"> 100mm Rigid Foam insulation. (Thermal Conductivity 0.022 W/mK). This will be PREFITTED within frame. Multi-Layer Foil Insulate Membrane for fitting on site, as insulate, air tightness and vapour barrier membrane. Int. Partitions (All) & Ground Floor Ceiling : 100mm High Density Quilt Insulation (Thermal Conductivity 0.044 W/mK / Density >10 kg/m ³).	✓
Internal	12.5mm TE Plain Plasterboard (Std. Density) to all internal faces of external walls, Upper Floor Ceilings, and Internal Partitions between Non-Habitable rooms. 12.5mm TE Plain Plasterboard (High Density - Soundcheck) to internal walls BETWEEN HABITABLE ROOMS and Main Floor Ceilings. (Density >10 kg/m ³) 12.5mm TE Moisture Resistant Plasterboard (Std. Density) to appliance walls of Bathrooms. 'Protektor' Type 5100 Resilient Bars for use on Ground Floor ceilings (two storey homes only). Primed (for paint finish) MDF Profiled Skirting (Baseboards) Architraves, Window Sills & Apron Trims.	✓

All sizes are approximate. Sizes in millimetres unless otherwise stated. LC Ecohomes Ltd. reserve the right to amend or change the specification without notice. Specifications must be agreed in conjunction with contract. From time to time, it may be necessary to substitute certain items, for alternatives of equal standard..

Specifications (contd)



Windows <i>(Incl Patio & French Hinged, Doors)</i>	Timber Aluminium Clad, Fully Prefinished Windows :- Features include : <ul style="list-style-type: none"> • Manufactured from laminated softwood for long term stability • Typical Glazed Unit Will Be TRIPLE Glazed • Windows Generally Have A 'u' Value Of 1.00 – 1.10. • Tested to BS7950 – Secured by Design • Maintenance free external Aluminium finish (choice of colours) • Timber Prefinished internal finish (choice of finishes). • Handles etc to have SAA finish 	
Doors	External Pass Door(s) :- <ul style="list-style-type: none"> • 58mm Insulated Timber Veneered Composite Door • Hung in a 57*80mm Laminated Hardwood Frame manufactured from the solid and incorporating, a) a continuous Aquamac 21 weather gasket and b) metal security keeps. • Euro Cylinder* - Key / Key + Cylinder Guard (inc 3 Keys) • 3 x heavy Duty Lift Off Hinges • Handles & Hinges in SAA or GAA finish • 'Stormguard' low level cill • Glazed panels to be 26mm DG unit • Fully prefinished - choice of colours and styles. 	
	<ul style="list-style-type: none"> • Internal Pass Doors : LPD "Santandor" Type Flush Laminated Doors in choice of 'Ivory' or 'Light Grey'. Glazed Doors (where applic.) Have Clear Glazing. Prehung within redwood frame. Incls. quality hinges and handle hardware. Frames require stain/varnish finish. 	
	Internal Closet Door : These will be Aluminium Framed Sliding Mirror or equivalent, set within redwood doorway frame (frame supplied loose and is unfinished).	
Skylights <i>(where applicable)</i>	Skylights will either be from the Velux, Dakea or Fakro ranges, double glazed, and finished internally with a white Polyurethane finish.	
Decking / Veranda	Where a Deck, Balcony or Veranda are specified in individual designs, the following specification will generally apply, unless stated otherwise within the formal quotation. 45 x 195 'Celcure' (green) Treated Softwood Joists; End Joist & Blocking 140 x 140 Douglas Fir Support Posts 38 x 140 Western Red Cedar decking boards c/w Green Decking Grade screws for fixing. 19 x 220 Western Red Cedar square edged plank for fascia finish to deck/balcony/veranda edge and to clad any overhead veranda beams Balustrading materials :- (where applicable) (All WRC) <ul style="list-style-type: none"> - 90 x 90 Newel Posts - 38 x 140 Handrail - 38 x 90 Top & Base Rails Ceilings Of Veranda's, to be provided with Cedar boards as cladding.	
General	<ul style="list-style-type: none"> - Black 'Visqueen' DPC. 500mu. 150mm and 225mm for use under external wall plate. - Black Wallplate Gasket Seal - Window Structural Opening Cill, Self Adhesive Sill Gasket - Expanding Waterproofing Foam Seal For Panel Joints - Expanding Waterproofing Foam Seal For Window & Ext. Door Surrounds - 1.50mm Powder Coated Aluminium, Shaped Flashings in choice of colours for head of windows. - 1.50mm Powder Coated Aluminium, Shaped Flashings for fixing to wall where decking is shown, and at GF wallhead on two story homes. Col.tbc - Proprietary Structural Hex Head Coachscrews For Panel Fixing. - Stainless Steel Annular Ring Shank nails for fixing WRC - Spare Breather Membrane - Tape for Sealing Multi Foil/Vapour Membranes - Low Expansion Expanding Foam For Filling Around Window/Ext. Door Frames - Expanding Foam Adhesive For Fixing Insulation/Plasterboard At Window/Ext. Door Reveals. - Construction Issue Drawings. - Engineering Certification/calculations, for the home package elements only. 	
Exclusions	The Following Items Are Specifically Excluded :- <ol style="list-style-type: none"> 1. Decking and external steps (other than stated). 2. Roof Finish 3. Holding down hardware 4. DPC other than stated 5. General nails & screws, including plasterboard fixings / wardrobe hanging rails 6. Plumbing & Sanitaryware / Kitchen Units or White Goods 7. Anything Not Stated Within Above Listings if in doubt, please ask. 	-

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