

ARCHITECTURAL PICTORIAL VIEW - MODULAR, AFFORDABLE HOUSING

You are to design a small modular home, suitable for two people. It can be regarded as a 'starter home', the first affordable home that a typical person / couple purchases. Your design must be open plan, with potential use of partitions to isolate areas of floor space (for example, the sleeping area). Your 'home' should have all the essential fixtures and fittings. The building must be constructed sustainably and be environmentally friendly. A parking space and a garden / area of relaxation, are also essential.

EXAMPLES



ARCHITECTURAL PICTORIAL VIEW - MODULAR, AFFORDABLE HOUSING

WORLD ASSOCIATION OF TECHNOLOGY TEACHERS

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HELPFUL LINK: <https://technologystudent.com/despro2/architec5.html>

SAMPLE

HELPFUL LINK

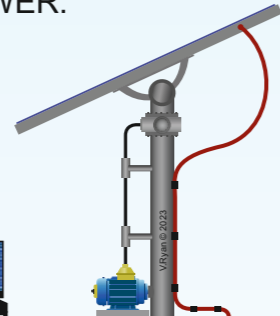


THE BUILDING IS SOUTH FACING (NORTHERN HEMISPHERE) TO TAKE ADVANTAGE OF HEAT FROM THE SUN.

THE HOUSE AND SURROUNDING GARDENS ARE CONSTRUCTED ON AN EXISTING 'BROWN-FIELD' SITE.

THE BUILDING MATERIALS ALL PASS UP TO DATE SUSTAINABILITY RATINGS.

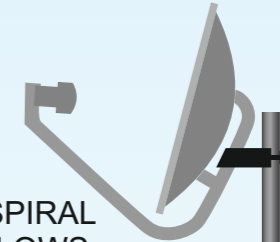
AIR CONDITIONING / HEATING SYSTEM / EV VEHICLES ARE SOLAR POWERED, BACKED UP BY WIND POWER.



A ROOF GARDEN HAS BEEN ADDED FOR AESTHETIC AND ENVIRONMENTAL REASONS. IT ADDS NATURAL ROOF-TOP INSULATION.

THE ROOF TOP SPACE OFFERS A LEISURE AND RELAXATION AREA.

AN INTERNAL SPIRAL STAIRCASE ALLOWS ACCESS TO THE ROOF.

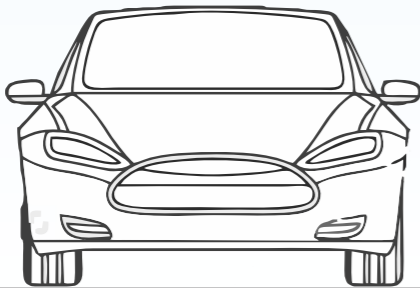


THE HOUSE HAS SUPER FAST INTERNET AND SATELLITE COMMUNICATIONS.

RECYCLED AND RECONDITIONED TIMBER CLADDING.

ALL LED SECURITY LIGHTS ARE SOLAR POWERED, SAVING ENERGY.

EV CHARGER FOR ELECTRIC VEHICLES



SELF CLEANING GLASS.

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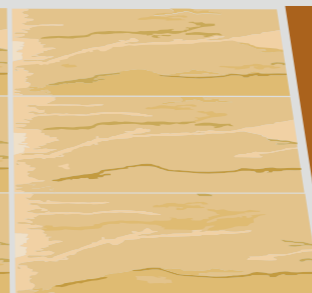
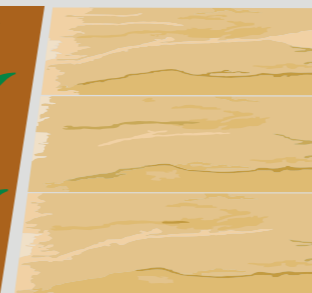
ALL DOOR AND WINDOW LOCKS ARE CONTROLLED BY A SECURE PERSONALISED MOBILE APP.

THE WINDOWS ARE DESIGNED TO RETAIN HEAT WITHIN THE HOUSE IN WINTER.

THEY CAN BE ADJUSTED ELECTRONICALLY, SO THAT DIRECT HEAT FROM THE SUN IS REFLECTED AWAY, HELPING TO KEEP THE HOUSE COOL IN THE SUMMER.

KNOWN AS LOW-EMISSION (LOW-E) WINDOWS.

PERMEABLE TARMAC MEMBRANE MATERIAL ALLOWS RAIN WATER TO SOAK THROUGH, REDUCING RAIN RUN OFF.



ALL FLOWER BEDS AND GARDEN PLANTS REQUIRE NO ADDITIONAL WATERING.

YOUR ARCHITECTURAL PICTORIAL VIEW - MODULAR, AFFORDABLE HOUSING

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HELPFUL LINK



AN ARCHITECTURAL PICTORIAL VIEW, IS A 'REALISTIC' DRAWING OF A BUILDING. IT INCLUDES COLOUR, SHADE, IMAGES OF PEOPLE AND DETAIL. THIS TYPE OF DRAWING IS USED EARLY IN THE DESIGN PROCESS, AS AN INDICATION OF THE DESIGN TO BE DEVELOPED. IT IS VIEWED AND DISCUSSED BY THE ARCHITECT AND CLIENT. ALTERATIONS ARE THEN MADE TO THE DESIGN.

YOUR TASK

ON THIS SHEET DRAW AN ARCHITECTURAL PICTORIAL VIEW (A FRONT VIEW) OF A 'HOME' OF YOUR DESIGN. ADD NOTES TO EXPLAIN DIFFERENT ASPECTS OF THE BUILDING.