# THE HIDE



### A - VMZINC PIGMENTO GREEN FACADE CLADDING

COMPONENTS TO 18MM PLYWOOD BOARD.

- mechanically fixed to timber batterns constructed to create 50mm vertical ventilation CAVITY (AS SPECIFIED BY VMZINC).

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### **B - 100mm LOCALLY SOURCED KNAPPED FLINT FINISH**

TO BE INSTALLED BY LOCAL CRAFTS PEOPLE USING LOCALLY SOURCED FLINT WITH HIGHER CHALK CONtent for a pale appearance. Blue Circle Sulfacrete to be used in mortar mix to withstand SALINE WATER EXPOSURE.

- 100mm Thermalite Aircrete Shield Block

- BATTERNS FIXED BACK TO 18MM BENTON WOOD BITUMEN WOOD FIBRE WEATHER TIGHT BOARDing, all joints to be cealed with Pro Clima TesconVana Multi-purpose airtight adhesive TAPE

- Bituminous board to front the 220mm deep timber frame wall - studs to be at least - 160mm Rockwool soffit slab to be fixed to GGBS panels with Ejot DDS fixings with 38mm wide and installed at 600mm centres to meet finsa Superpan and Benton Wood the Ejot DDT70 washer or similar. Recommended number and pattern of fixings for SPECIFICATIONS. VOID TO BE FILLED WITH STEICO 360 WOOD WOOL INSULATION

- 18MM FINSA SUPERPAN VAPOURSTOP AIRTIGHT VAPOUR BARRIER RACKING BOARD INSTALLED ON VERTICAL FACE OF GGBS SLAB ALSO. The internal face of the timber stud wall with 3mm gaps between boards. Joints cealed with Pro Clima Tescon Vana Multi-purpose airtight adhesive tape

360 wood wool insulation - 1.35 m2K/W (R). - 15mm Celenit Wood Wool Board to conceal service void - 0.20 m2K/W (R)

- Double Layer of ClayWorks Primer Applied to Wood Wool Board. Clay backing COAT WITH MESH LAYER EMBEDDED WITHIN (8-10MM MESH HOLE SIZE). CLAYWORKS CLAY PLASTER TOPCOAT WITH GRE-04 PLASTER SKIM FINISH. FINISH TO BE CONCEALED WITH 2 COATS OF CLAY-WORKS MICROPORUS GLAZE.

### C - GGBS GROUND FLOOR SLAB

- FINISH.
- WarmUp Forte Grid underfloor heating system to be installed within concrete slab to MANUFACTURERS SPECIFICATION UTILISING SALINE WATER SOURCE HEAT PUMP.
- 250mm EPS100 insulation below floor slab
- 100mm EPS300 Insulation to wrap around raft edge. 50mm Sand Binding layer below EPS insulation layer

- T2 permeable annex E compliant material compact to 600mm deep (see engineers draw-INGS FOR FURTHER SPECIFICATION AND DETAILING).

#### **D - EXPOSED SOFFIT**

- 75mm GGBS/sand screed reinforced with FibraTec Alkali-resistant fibres to prevent CRACKING IN INSTALLATION.

- WarmUp Forte Grid underfloor heating system to be installed within screed a minimum of 25mm below screed finish level.

- 250MM REINFORCED PRECAST GGBS SLABS.

EACH SLAB SIZE CAN BE SEEN IN MANUFACTURERS INSTALLATION GUIDE. SOFFIT INSULATION TO WRAP

- Weather-tight Bituminous Board to be mechanically fixed to soffit slab insulation and to wrap around to create weather tight layer with glazing system.- 35mm minimum ven-- 35mm Service void created with vertical timber batterns to be filled with full-fill Steico Tilation gap battered out to VmZinc manufacturers specification.- 18mm plyboard to FIX TO BATTENS AND PROVIDE SURFACE FOR PIGMENTO GREEN VMZINC DOUBLE LOCK STANDING SEAM TO BE FIXED USING MANUFACTURERS SPECIFICATION.

### E - CLT ROOF STRUCTURE -

- 1mm thick double lock standing seam external finish secured using manufacturers fixing 350mm Reinforced GGBS integrated Concrete Slab with diamond ground surface 1mm double lock standing seam Pigmento Green VmZinc fixed using manufacturers SPECIFICATION TO 18MM PLYWOOD BOARD.
  - Minimum of 38mm ventilation gap to the rear of plywood board as per VmZinc man-UFACTURER SPECIFICATION.

- 18mm weather tight Benton Wood bituminous wood fibre board

- Weather tight board to conceal 360mm SteicoFlex 360 wood fibre insulation. -145mm cross laminate timber supporting roof structure. 1.2 M2K/W (R).

#### F - GLULAM STRUCTURE

Glulam beams and columns connected using steel cylindrical column caps and Fitch PLATES, REFER TO STRUCTURAL ENGINEER DRAWINGS FOR COMPLETE STRUCTURAL ANALYSIS.

#### G - ORIEL WINDOW GLAZING SYSTEM - AULPROF MB-86

TRIPLE GLAZED CURTAIN WALL SYSTEM, TO BE INSTALLED TO MANUFACTURERS SPECIFICATIONS.

#### H - PERIMETER SPLASH STRIP

- Ground Perimeter drainage channel with 160mm diameter perforated pipe set within CLEAN GRAVEL TOPPED WITH SHINGLE SAND GROWING SUBSTRATE AND CONTEXTUALLY ACCURATE planting such as yellow horned poppy. Splash strip to be lined with Geotextile mesh to AID WITH DRAINAGE. DRAINAGE CHANNEL TO RUN TO SOAK AWAY FOR WATER TO BE DISPERSED INTO BELOW GROUND WATER SYSTEMS.

#### I - GGBS PERIMETER PAVING

150mm GGBS paving slab to be installed around perimeter of building to be lined with DPM. PAVING TO BE EDGED AT EACH END WITH 100MM RAISED PROFILE CURBING.

## THE HIDE









## STRUCTURAL ASSESSMENT



Glulam was used as the main structural framing for 'The Hide' due to its many ADVANTAGES IN SUSTAINABILITY, BUILD-ABILITY & AESTHETIC QUALITIES. DESIGNED IN CON-JUNCTION WITH CAUNTON ENGINEERING THE FRAME ACHIEVES THE FOLLOWING BRIEF RE-QUIREMENTS:

- Sourced from the local Brandon sus-TAINABLE FORESTRY, THE TIMBER USED IS AN OMNIPRESENT RESOURCE THAT STORES LARGE QUANTITIES OF CARBON IN ITS GROWTH AND APPLICATION.

- Glulam is noticeably lighter than oth-ER FRAMING MATERIALS WHICH HELPS REDUCE TRANSPORTATION AND ON-SITE HANDLING.

- Minimal waste is generated in its pro-DUCTION AND ANY OFFCUTS OR FIBRES CAN BE USED IN THE WOOD FIBRE PRODUCTS AS STATED PREVIOUSLY.

- The warm appearance of the engi-NEERED TIMBER ADDS TO 'THE HIDES' NAT-URAL DESIGN AESTHETIC ECHOING THE BUILD-INGS ENVIRONMENTAL PURPOSE.

