

# TIMARU HIGH PERFORMANCE HOME PROJECT

## FORMANCE<sup>®</sup>

WALLS AND ROOF CONSTRUCTED FROM STRUCTURAL INSULATED PANELS FOR MAXIMUM INSULATION

- R 8.3 ROOF, R 4.2 WALLS
- MINIMAL THERMAL BREAKS
- AIR TIGHT
- NZ CODEMARK CERTIFIED



**LONE PINE BUILDING**  
Together we're building South Canterbury

- ROOF WATER COLLECTED FOR REUSE INSIDE HOUSE
- INTERNAL CONCRETE BLOCK WALLS TO STORE HEAT
- EAVES AND WINDOWS DESIGNED BY SUNLIGHTING ANALYSIS FOR SOLAR HEATING IN WINTER AND SHADING IN SUMMER
- NATURAL EVAPORATIVE COOLING BY CIRCULATION OF AIR FROM COURTYARD FERN GARDEN



VULCAN+ TIMBER CLADDING BY ABODO

- THERMALLY TREATED NZ PINE
- NO CHEMICAL PRESERVATIVES
- EQUIVALENT TO H3 TREATED TIMBER
- IMPROVED DIMENSIONAL STABILITY
- FSC CERTIFIED



HEAT RECOVERY VENTILATION

- PROVIDES FRESH AIR WHILE KEEPING HEAT IN
- DISTRIBUTED SYSTEM
- NO DUCTING REQUIRED
- EXTREMELY QUIET



FULLY INSULATED CONCRETE SLAB FOUNDATION

- R 4.5 INSULATED FLOOR SLAB
- SLAB EDGE INSULATION BUILT IN
- THERMAL BREAKS BETWEEN HOUSE SLAB AND ADJOINING CONCRETE IN PATIO AND GARAGE



HEATING BY TROPICAIR WOOD BURNER

- CARBON NEUTRAL WATER AND SPACE HEATING
- ULTRA LOW EMISSION BURNER WITH COOKTOP
- WETBACK CONNECTED TO 300L CYLINDER
- DESIGNED AND BUILT IN CANTERBURY