

**THE COMPLEX SOCIAL
CHALLENGE IN ADAPTIVE
HOUSING AND OUR NEW
ENERGY FUTURE**

Climate Justice or Climate Ghettos

Scott Willis, Camilla Cox, Martin Kean

BACKGROUND

- INCREASED FREQUENCY AND INTENSITY OF FLOOD EVENTS
- POOR QUALITY HOUSING AND VULNERABLE RESIDENTS
- FLAX-ROOTS CLIMATE ACTION
- PARTNERSHIPS

“If the council said “ok you're going to be underwater in 5 years we have DCC flats \$100 whatever thousand”, they’d be subsidised you can buy them or rent them so that we haven't got that anxiety.

So that’s something we need to ... I’d like Scott and the resilient committee to be negotiating. Because it’s not our fault this climate is changing.” – *concerned resident, Waitati*



DESIGN & ENGAGEMENT





**2019-2020
ACTION
OP, DCC,
FORMANCE...
THE GREAT KIWI
HOME & LIVING
SHOW**

THE ENERGY \$ SUPPORTING CLIMATE ACTION

- BLUESKIN ENERGY NETWORK
CUSTOMERS
- EARNING POINTS FOR USING GREEN
ENERGY VIA APP
 - TO REDEEM OR DONATE?
- \$\$\$ FOR THE CLIMATE SAFE HOUSE

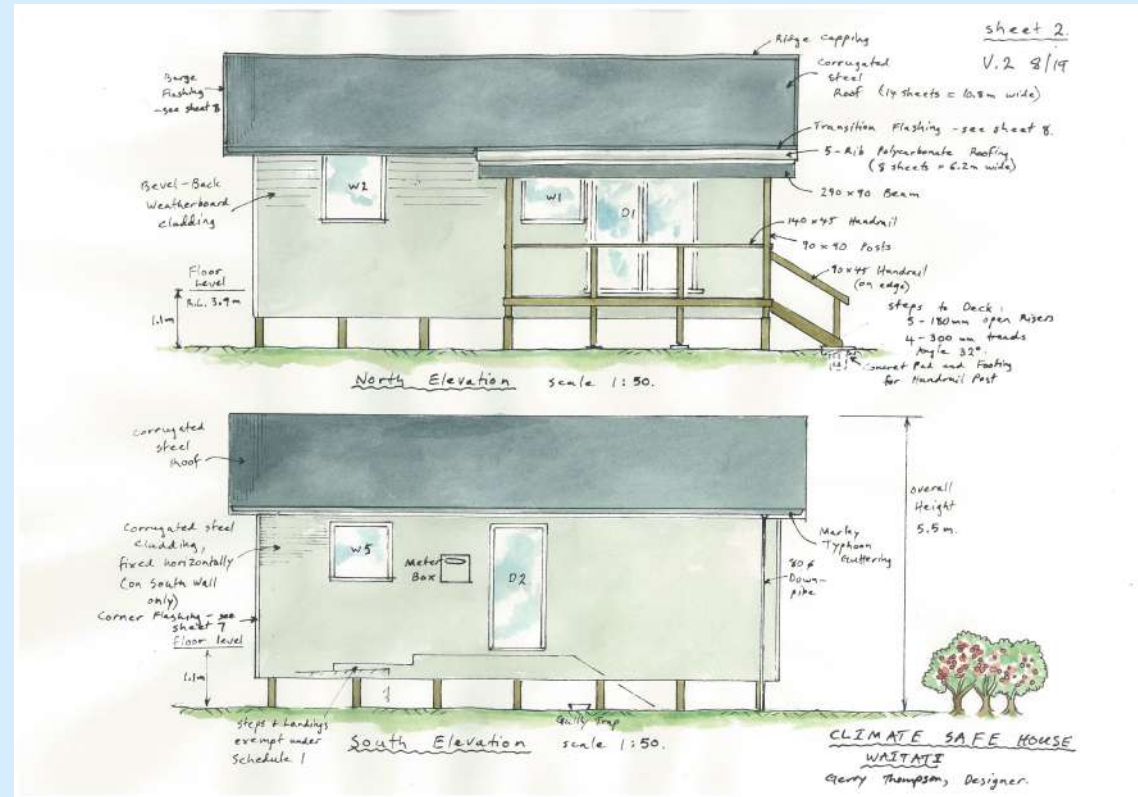
An easy, and rewarding
way to take control of
your power bill and help
the planet.



OUR BUSINESS COMMUNITY

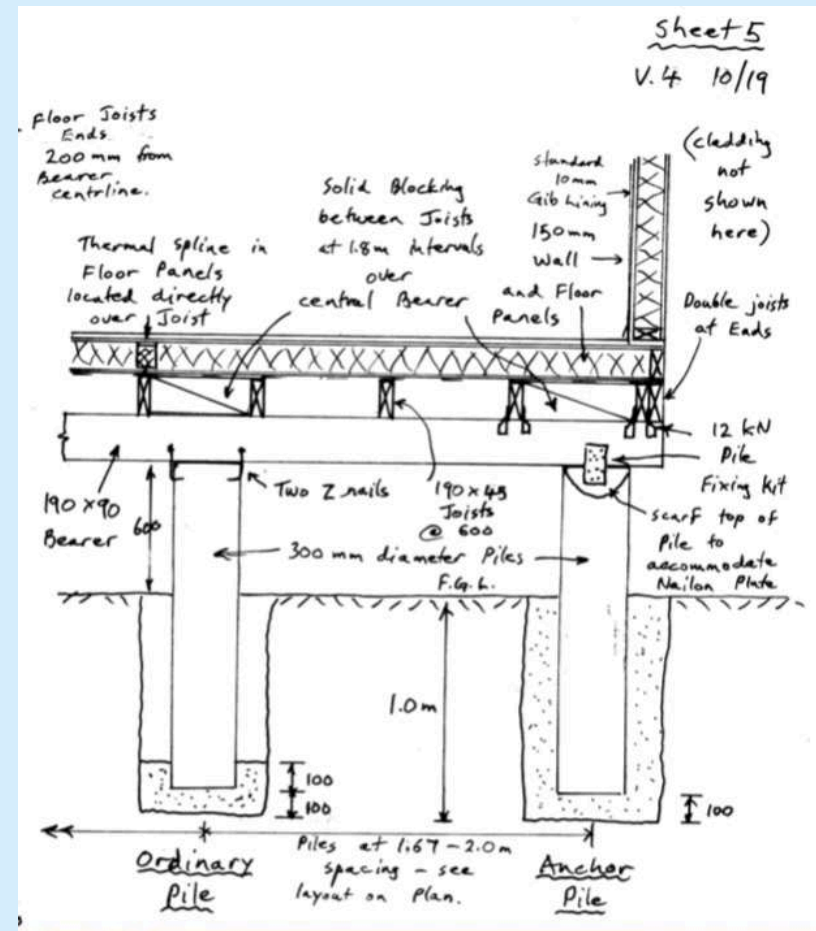
DUNEDIN CITY COUNCIL, **OTAGO POLYTECHNIC**, NAYLOR LOVE CONSTRUCTION LTD, **ECLECTIC HOME DESIGN**, PLACEMAKERS, **AOTEA ELECTRIC**, FOLEYS PLUMBERS, **CONTROL FOCUS**, FORMANCE, **DS BUILDING**, DUNEDIN ROOFING SYSTEMS, **UPVC WINDOWS AND DOORS**, FRAME PROTECTION SERVICES, **SIGNIFY**, RADCLIFFE ELECTRICAL, **RESENE**, DECORATING SERVICES, **COOK BROTHERS**, OSBORN BROTHERS (CONSTRUCTION), **HALL BROTHERS DEMOLITION**, FISHER AND PYKEL, **THE HEATING COMPANY**, WAIKOUAITI AUTO ELECTRICAL (CRANES), **TAK FLOORING**, FIRTH INDUSTRIES, **DIAMOND ROOFING**, RAINAWAY SYSTEMS OTAGO, **COLOR COTE**, AMPELITE, **BRAZIERS**, PETER HAY, **O'BRIENS**, CALDER STEWART, **BIOLYTIX**, ALL SEPTIC AND DRAINAGE, **BRANZ**, DAVE LITTLETON, **LOGIC GROUP**, CASTLE TRUSTEES, **R AND R HIAB OTAGO**, FULTON HOGAN, **BLACK DIAMOND**, WARM & COOL.

- **JUNE 2019:** AGREEMENT TO BUILD CLIMATE SAFE HOUSE AT THE HOME & LIVING SHOW
- **OCTOBER 2019:** OVER 40 SPONSORS SECURED TO PROVIDE MATERIALS AND SERVICES WORTH \$200,000 + + +



TECHNICAL/DESIGN

- SMALL
- SIMPLE
- MODULAR
- AFFORDABLE
- LOW CARBON
- TRANSPORTABLE
- ENERGY EFFICIENT



4 DAYS: GREAT KIWI HOME & LIVING SHOW CONSTRUCTION INITIATED



CONSTRUCTION OCTOBER 2019



CONSTRUCTION OCTOBER 2019



DELIVERY TO SITE

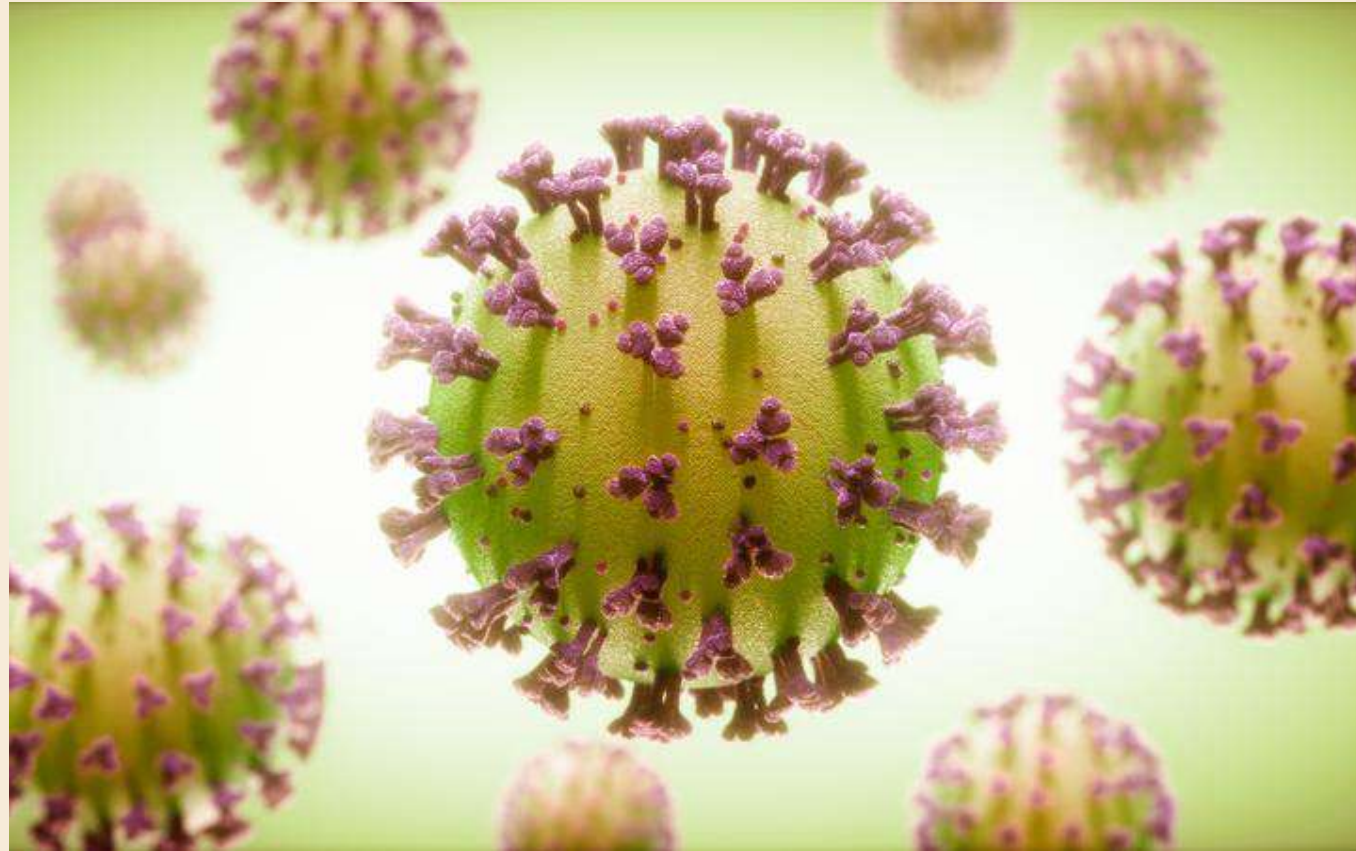


TECHNICAL PERFORMANCE/CARBON

LCA + SENSORS + SOLAR



WHERE'S OUR FAIRYTALE ENDING?



VULNERABILITY

People's needs are for more than simply housing













THANK YOU

QUESTIONS?