Toolbox Talk



SPPHC 2019

Baden Brown



Painful Lesson/Best Advice

- Verification of performance data from suppliers.
- Tested to which standard?
- ISO 10077-1 or ISO 10077-2
- How many decimal points?
- Could be the difference between meeting PH std or not!

Subtitutes

The lure of cheaper options

Not all products are equal







harleybuilders.co.nz 021 2HARLEY 021 2427539

What we do



What we do

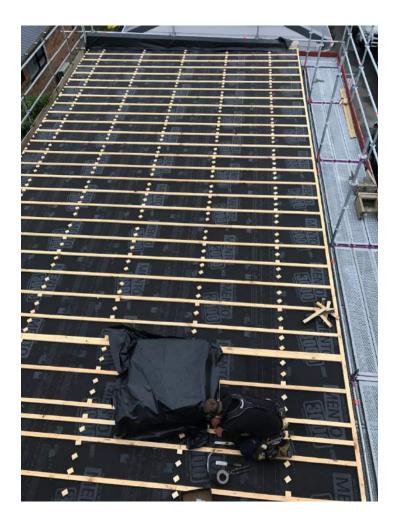
Christchurch's first Certified Passive House



What we do...



What we do...





Why we do what we do



Passive House speccrazy or just nuts?!!



- Architect- ADQ, PHPP- Grant Mitchell,
- Engineer- Viden, Certifier- Jason Quinn

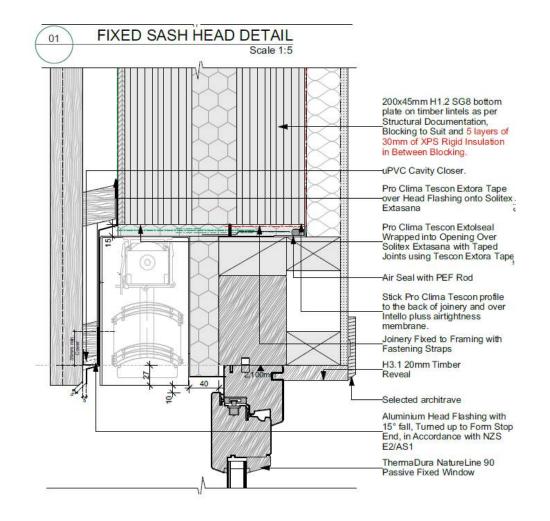
Current project



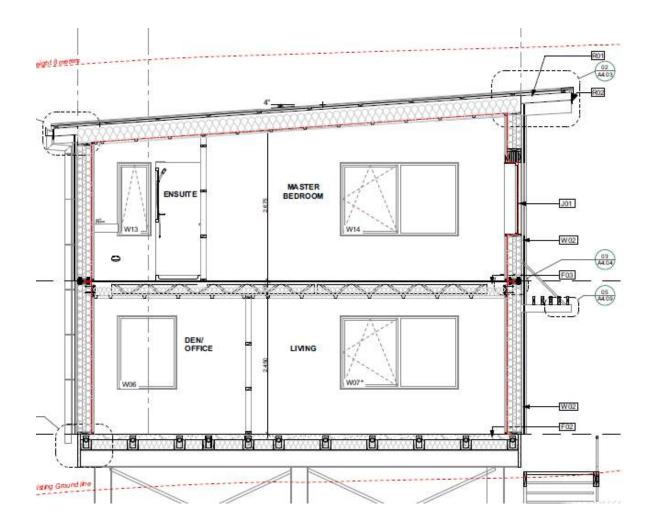
Current project cont'd...



Some details



Some details







South Pacific Passive House Conference 2019

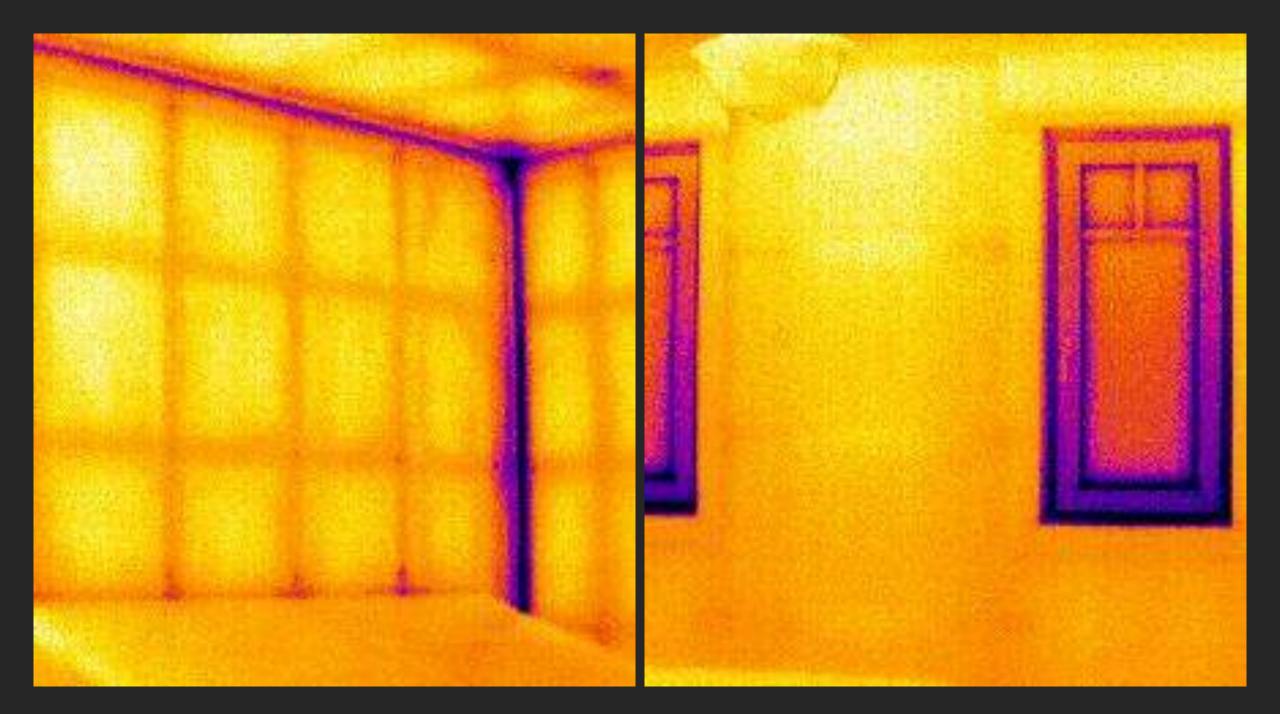
Dennis Dowling

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Director









HAVEWE **EARNED?**



THERE S MORE THAN ONE

ARIDON® Continuous "Warm Frame" Insulation

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I40mm Framed SIPS with50mm Insulated Service Cavity

Nudura Insulated Concrete Forms (ICF)

11221

Nudura Insulated Concrete Forms (ICF)

- the start



NZ SIPS





WOULD BUID







Team Green Passive House

Completion May 2019





- Christchurch based
- Building from the Ethos standard high performance home through to Certified Passive House Plus





Challenges

- Need to keep your finger on the pulse
- The devil is in the detail
- Educate subcontractors
- Be proactive





Highs and lows of building Passive House

- Love/hate relationship with Passive House
- Building journey can be challenging
- Love the outcomes





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Kim Feldborg



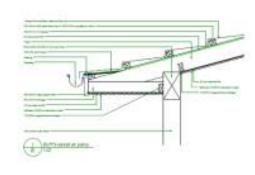


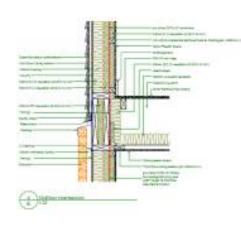
Air tightness

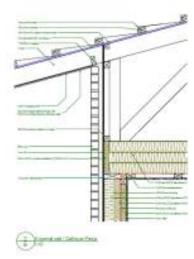
O HAR & HAR

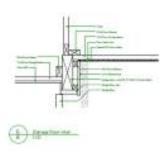
Is the challenge

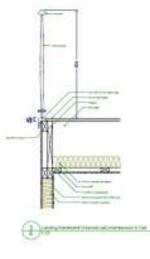
It has to be worked out at the design stage











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Valkalla	Living Ltd

There is a limit to what we can do on site

Passive House for New Zealand



The warm healthy homes we need

Jason Quinn

Our homes should be a safe haven.

In this succinct, fiercely argued book, building scientist and Passive House designer Jason Quinn reminds us of all the ways New Zealand housing fails. He takes aim at the Building Code and the high cost of building average (or worse) homes.

Most of all, this is a book concerned with how to do better. It makes an impassioned argument for much wider use in New Zealand of the Passive House building performance standard. Jason Quinn demolishes myths about Passive House concepts and demonstrates its relevance for New Zealand conditions. The theory is backed up with concrete examples of New Zealand's first 24 Certified Passive Houses and concludes with the more diverse projects—apartment buildings, offices and tourist accommodation—that are being planned.

Of interest to architects and architectural designers—and those among their clients who are interested in how their new home will work and feel, not just how it will look—Passive House for New Zealand is also an important read for anyone involved in the building industry and in making policy on health and housing.

This timely book ... will spark lots of thought, funding and effort into energy-efficient and healthy housing.

-from the foreword by Professor Robyn Phipps, Massey University



www.warmhealthyhomes.co.nz