



GRIGG PLACE HILTON 6163

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LEGEND

	Rendered brick wall with insulation (insulation to external walls only) Single brick wall
	Stud wall with insulation
	Reverse brick veneer wall with insu
(\widehat{ST})	Solar Tube
	Roof Vent

Water efficient fixtures and fittings minimise water usage

Rainwater harvesting (with mains water back up) to supply toilet, washing machine and garden taps in front house, and all internal uses in back house

Low VOC paints used, no gas space heating and dust collecting surfaces minimised to promote a low allegen internal environment

Monitoring and real time reporting of water, electricity and gas usage

Low energy compact fluorecent and LED lights used through-out to minimise electrical loads

Solar tubes provide natural light to internal spaces

Roof vents release hot air from roof space in summer



DESIGNED BY SOLAR DWELLINGS and JOSH BYRNE & ASSOCIATES SUSTAINABILITY FEATURES **DRAWN BY** JOSH BYRNE & ASSOCIATES INTERNAL SUSTAINABILITY FEATURES | NOVEMBER 2012 JOSH BYRNE & ASSOCIATES CHECKED BY (Common Features to Front & Back House) Copyright © All concepts, drawings and technical information is the property of Josh Byrne & Associates Pty Ltd. Use of this information is allowed for private SCALE: NTS PROJECT NO D-003 REV NO ISSUE PAGE 2 OF 3 purposes only. Commercial use or reproduction in any form is forbidden without the written consent of Josh Byrne & Associates Pty Ltd.



JOSH'S HOUSE

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to internal spaces _

Light coloured Colorbond Custom Orb roof with foiled batt insulation under the roof sheeting to minimise summer heat penetration

Insulated external walls to reduce summer heat infiltration and retain winter warmth

Grey water reused to irrigate selected landscape areas

EXTERNAL SUSTAINABILITY FEATURES - NORTHERN ELEVATION



EXTERNAL SUSTAINABILITY FEATURES - EASTERN ELEVATION





JOSH'S HOUSE

Solar hot water system with inline gas booster

3kW grid connected photovoltaic system

High northern doors and windows to 28c

Outdoor kitchen takes cooking heat outside in summer

Salvaged timber deck reduces radiant heat build-up in summer

Shade sail and deciduous vines over northern pergola to provide summer shading to windows while maintaining solar access in winter

20kL rainwater tank supplies all internal uses plus garden taps, with mainswater backup. (5kL tank to front house supplies toilet, washing machine and garden taps)

Productive gardens for local food production

Gravel pathways allow localised stormwater filtration

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