



South-East Perspective

**DESIGN RESPONSE**

The proposed redevelopment of the Anglesea Fire Brigade will provide the Anglesea community with a cutting-edge, highly sustainable 'as new' facility.

The facility will signal a new era for the CFA, creating a building that:

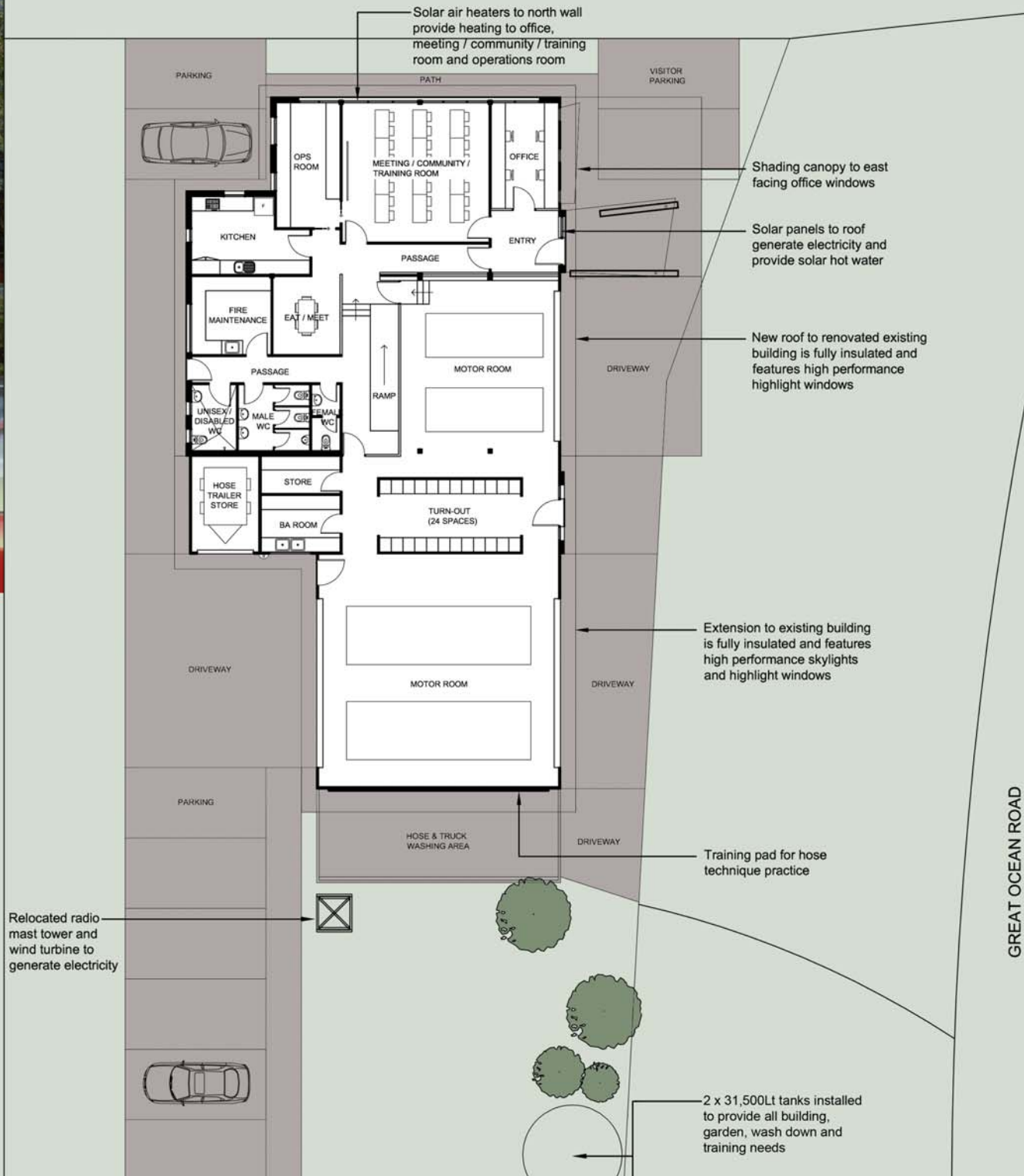
- Harnesses solar and wind energy for electricity supply, heating, hot water and lighting to create a 100% 'carbon neutral' ESD development;
- Collects, treats and recycles rain and truck/hose wash water to provide all of the water needs for the building, thus saving up to 1,000,000 litres per annum;
- Features the use of sustainable, healthy, low energy and life cycle cost materials;
- Provides additional facilities for the CFA and the wider community with the provision of a community meeting room and a training pad for hose technique practice

The enhanced facility will be a landmark building for the Anglesea community and the CFA as its first sustainably designed station.

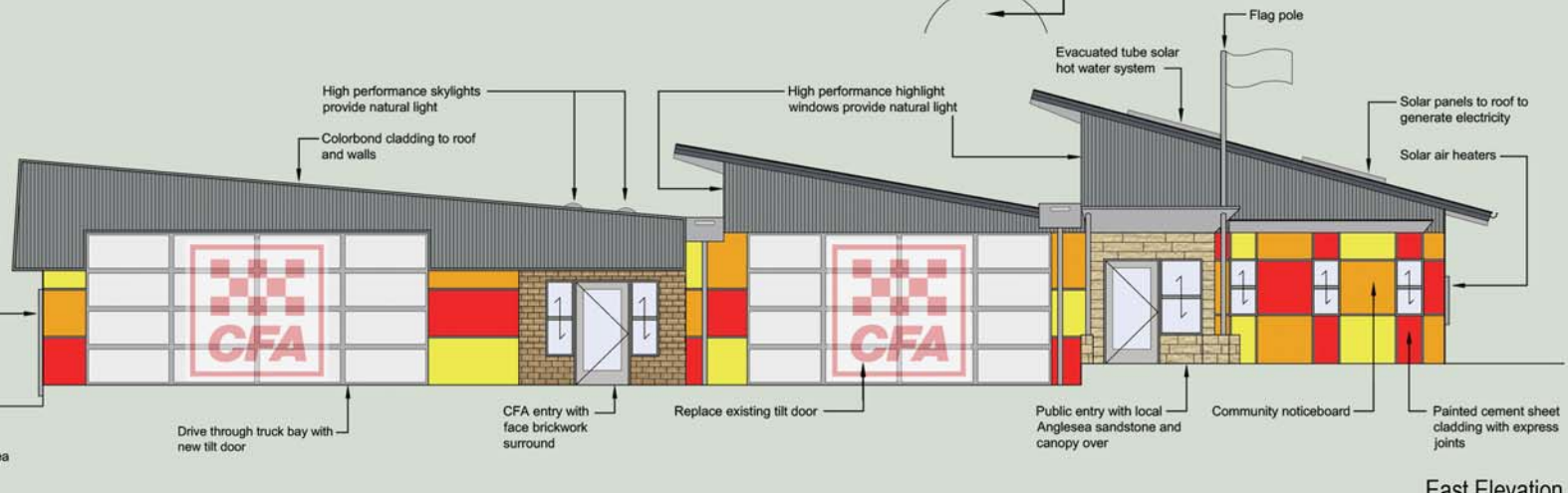
**FEATURES**

Specific features of the new facility will include:

- 12 x 160W solar panels and a 1.2 kW 'Hush' wind turbine estimated to generate over 5000kWh of electricity and save around 6 tonnes of greenhouse gas emissions per annum
- An evacuated tube solar hot water system for all building needs
- A series of 'Sola Venti' active solar heaters/coolers to minimise air conditioner use
- A natural day lighting strategy, including south facing highlight windows & high performance skylights, to minimise reliance on artificial lighting
- Water conserving fittings throughout including a waterless urinal and 4 star taps and appliances
- 2 x 31,500L rainwater tanks for all building, garden, wash down and training needs
- An interceptor treatment system to prevent run off into nearby river
- The use of fire resistant building materials & design detailing to provide examples to people building their own homes
- A fully featured community meeting room and kitchen
- A 'training pad' to allow for the training of members



Proposed Floor Plan



East Elevation

**third ecology**  
 t (03) 5229 8361  
 f (03) 5221 0765  
 p PO Box 7176  
 Geelong West  
 Victoria 3218  
 a 1/216 Pakington St  
 Geelong West  
 Victoria 3218  
 e info@thirdecology.com.au  
 www.thirdecology.com.au

**ANGLESEA FIRE BRIGADE  
 REDEVELOPMENT PROJECT  
 GREAT OCEAN ROAD, ANGLESEA**

ANGLESEA  
 FIRE BRIGADE  
 GREAT OCEAN ROAD  
 ANGLESEA

Scale: Not to scale  
 Date: May 2010  
 Drawn: KS

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Energy Raters

Sustainability Advisors & Consultants

Architects