

# National Plumbing Regulators Forum

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## Plumbing Industry Climate Action Centre

*Presented By*

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# Plumbing Industry Climate Action Centre

Exemplifying the joint commitment of CEPU, MPMSAA, the Victorian Government and other industry stakeholders to improve sustainability and quality education and training, the Plumbing Industry Climate Action Centre will be established at a cost of up to \$11 million to provide a world class training facility for plumbers, apprentices and instructors.

The building is expected to be opened Officially in April 2009

The Building will achieve a 5 STAR GreenBuilding council rating



# Plumbing Industry Climate Action Centre

Industry Support




*Construction: June 2008*



The centre located in Brunswick (7km north of Melbourne CBD) will raise industry standards and will firmly establish itself as the centre of excellence for delivering and maintaining sustainable buildings in Australia and will be of international significance.

As the first of its kind in the world, the centre will facilitate shifting the industry from good intentions to practical reality through the delivery of quality instruction in responding to the challenges of Regulatory and Climate Change.



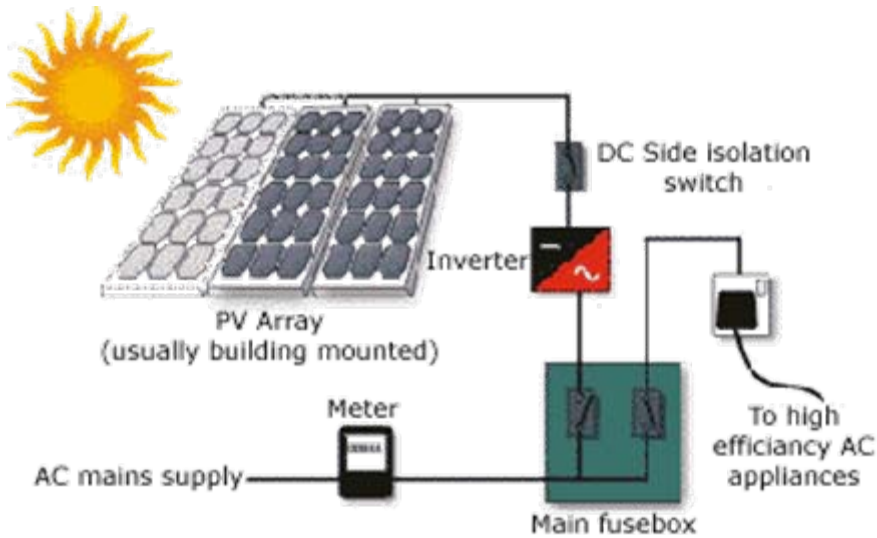
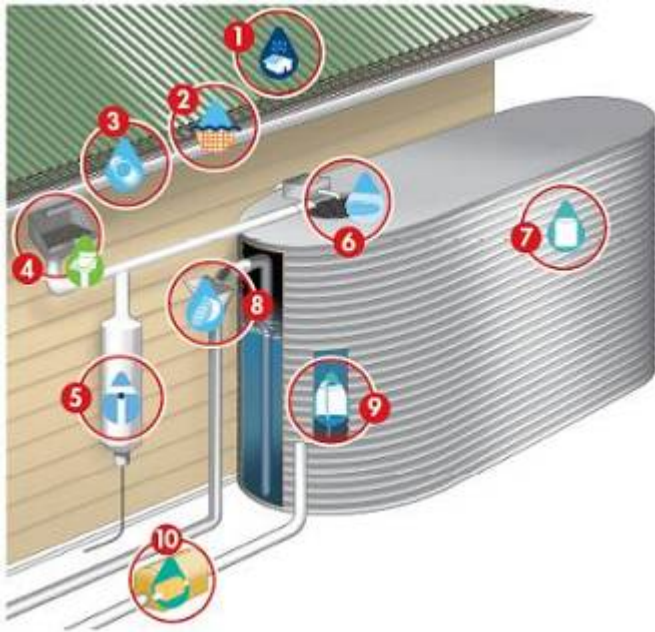
- Upskilling and specialist training / accreditation for registered plumbers
  - Training and demonstration of new and sustainable technologies and systems
  - Training in plumbing disciplines not currently addressed by existing training schools
  - Safe working courses for building industry
  - Non-technical training to assist plumbers run their businesses
  - Facilities for testing and research of new products
  - A facility which can be used to educate the building industry about plumbing technologies and sustainability
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# Building Facilities

## New Environmental Technology

Co Generation  
Solar Hot Water  
Chilled Beams  
Absorption Chillers  
Hydro carbon – air conditioning  
Photo voltaic  
Hydronic heating  
Geo-thermal Heating  
Rainwater Tanks  
Water conservation (WELS rated appliances)  
Waterless urinals  
Greywater Treatment  
Wastewater Treatment  
Water Pump technology including, Flow control ,pressure reduction and calculations  
Natural wastewater treatment / reed beds / plant selection  
Soil mechanics





# Technical Training Areas will include;

Welding Arc

Welding TIG

Backflow Prevention

Thermostatic Mixing Valve

Balance and Commissioning

HVAC Servicing

Installation of Split Air-Conditioning Systems

Water Efficient Technology

Solar Hot Water

Water Treatment – Cooling Towers

Commercial Hot Water Systems

Height Safety

Type A Gas Appliance Servicing and installation

Type B Gas Appliance Servicing and installation

Medical Gases

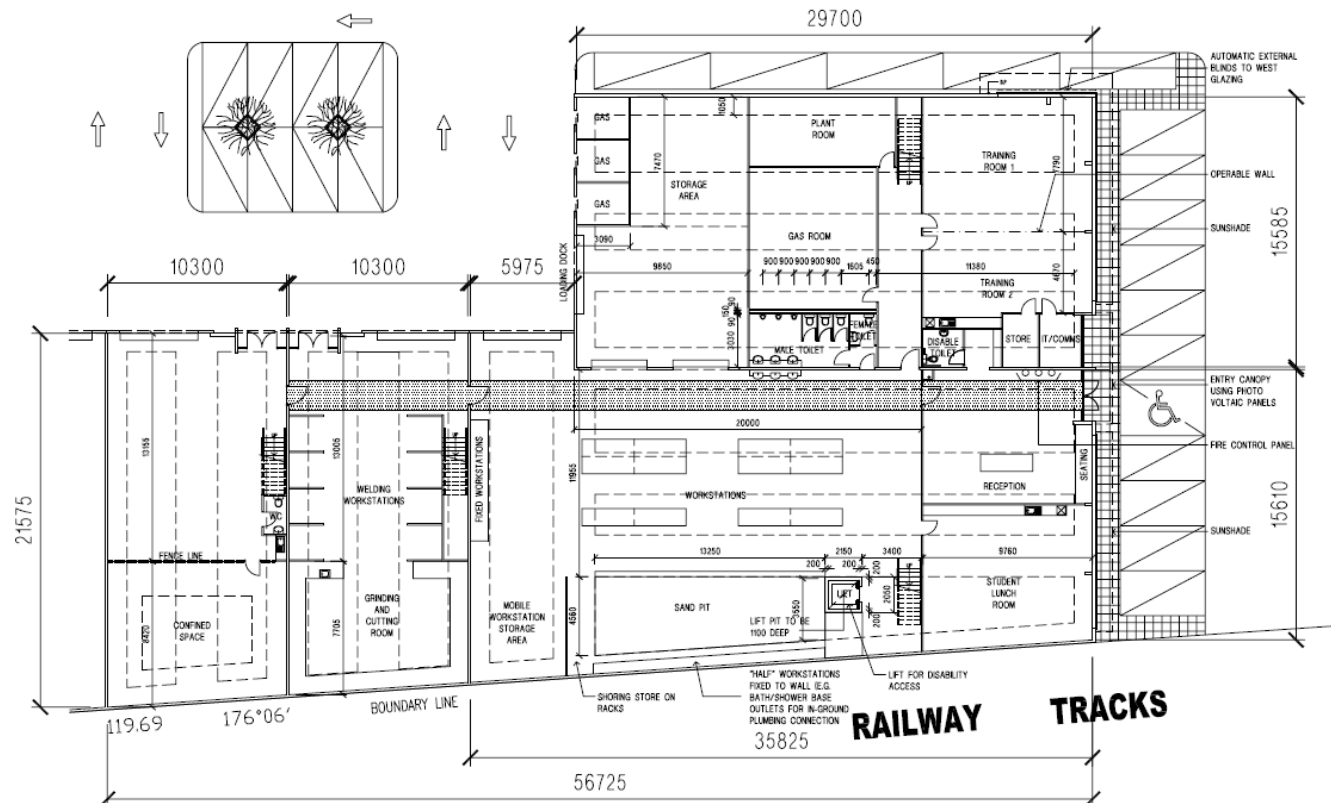
Fire Services





# Ground level Floor Plan

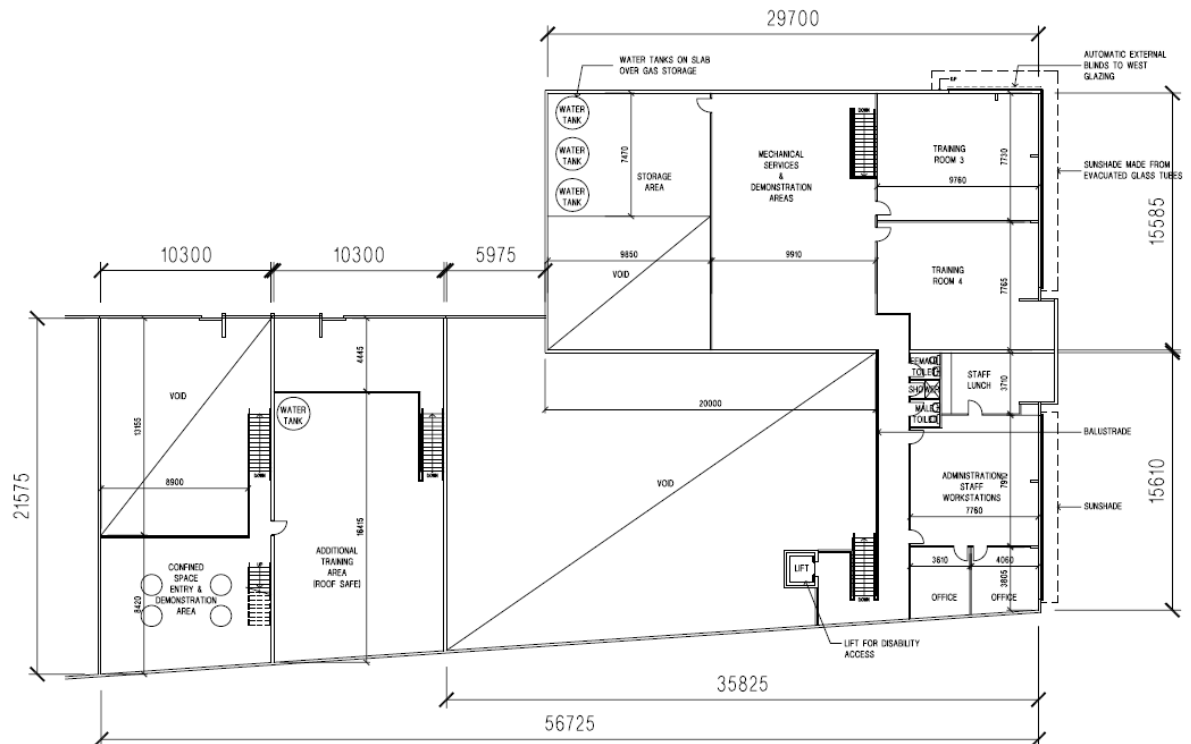
OH&S area – plant training, welding bld, great hall, training rooms, gas training lab, computer lab, reception.





# Mezzanine Level Floor Plan

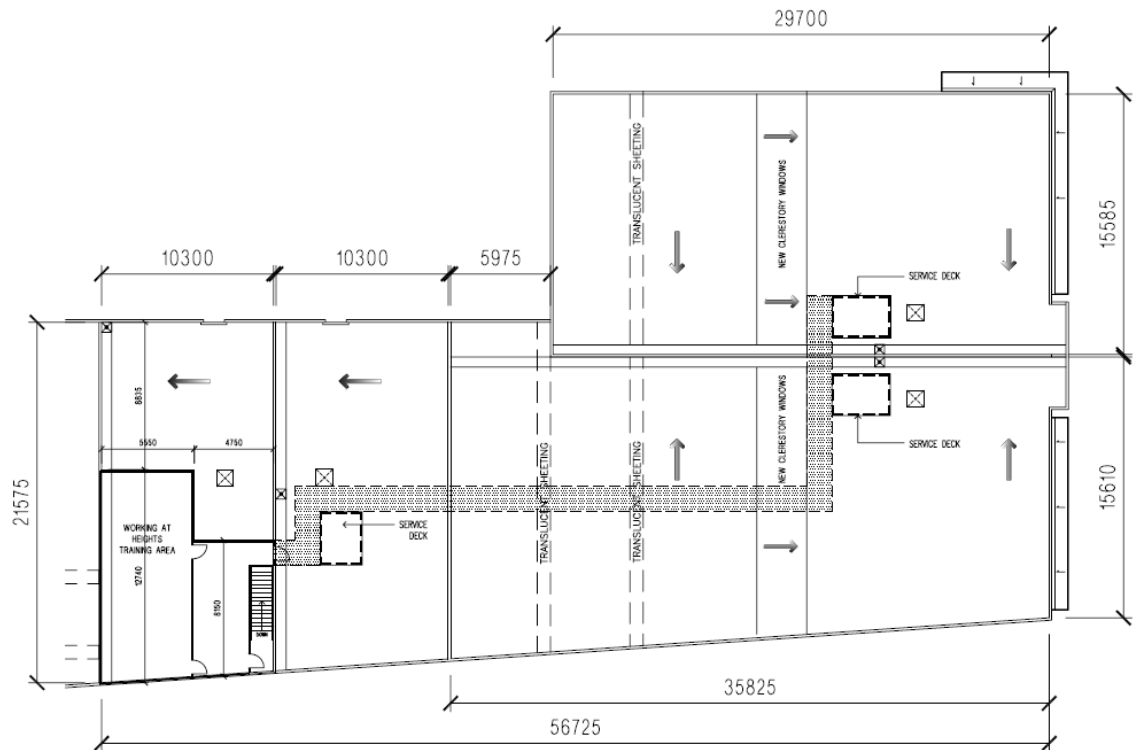
Medical Gases lab, HVAC lab, training rooms, Confined Space lab, water/ pumps / valves lab, wastewater treatment lab.





# Roof Level Floor Plan

Full access to roof area, working at heights platform, SHW, PV, alternative roof materials, roof drainage, safety harnesses, syphonic stormwater drainage systems.



# Industry Support including;



# Thank you for your time.

## Contact Details

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