

Project Summary

Date
26/10/2024

Name
Trish Campbell

Company
ACT Sustainable Systems

Position
Proprietor

Building Name / Address
61-63 Bradley Street, Goulburn
0

Building State
NSW

Climate Zone
Climate Zone 7 - Cool
temperate

Building Classification
Mixed 2 - 2 common, 5, 6, 7, 8,
9b, 9a non-ward

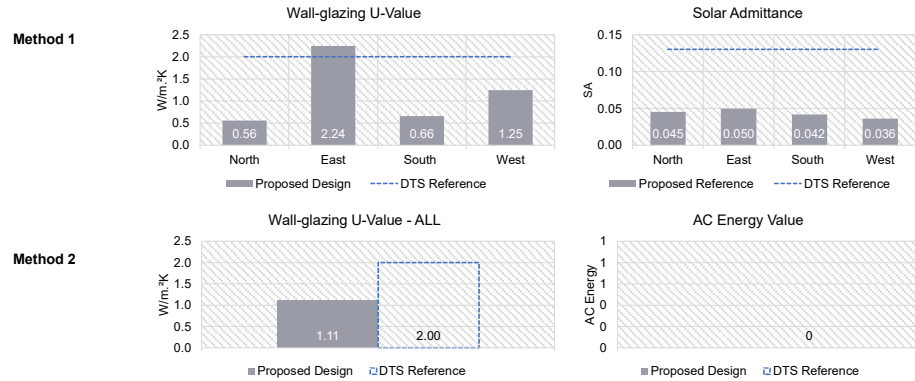
Storeys Above Ground
1

Tool Version
1.5 (May 2024)

The summary below provides an overview of where compliance has been achieved for Specification S37 - Calculation of U-Value and solar admittance - Method 1 (Single Aspect) and Method 2 (Multiple Aspects).

Compliant Solution =
Non-Compliant Solution =

	North	East	Method 1 South	West	Method 2 All
Wall-glazing U-Value (W/m².K)	0.56	2.24	0.66	1.25	1.11
Solar Admittance	0.05	0.05	0.04	0.04	
AC Energy	0				



Project Details

	North	East	South	West
Glazing Area (m²)	2.09	4.32	8.36	4.32
Glazing to Façade Ratio	8%	12%	12%	9%
Glazing References	Double Hung	Sliding	Double Hung	Sliding
Glazing System Types	0	0	0	0
Glass Types	Timber Single Glaze	Double Glazed Unit - single low-E coating	Timber Single Glaze	Double Glazed Unit - single low-E coating
Frame Types	Timber	Aluminium	Timber	Timber
Average Glazing U-Value (W/m².K)	3.00	4.30	3.00	4.30
Average Glazing SHGC	0.56	0.41	0.56	0.41
Shading Systems	Horizontal	Horizontal	Horizontal	Horizontal
Wall Area (m²)	23.84	31.36	62.4	44.8
Wall Types	Wall	Wall	Wall	Wall
Methodology	Wall			
Wall Construction	Brick Cavity with R1.8 plus reflective surface of 0.05 emittance and 20mm airspace	Existing uninsulated Double Brick Cavity	Brick Cavity with R1.8 plus reflective surface of 0.05 emittance and 20mm airspace	Brick Cavity with R1.8 plus reflective surface of 0.05 emittance and 20mm airspace
Wall Thickness	270	270	270	270
Average Wall R-value (m².K/W)	2.92	0.51	2.92	1.05
Solar Absorptance	0.5	0.5	0.5	0.5