Façade

Report

Calculator

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
Class 3 - other

Storeys Above Ground
3

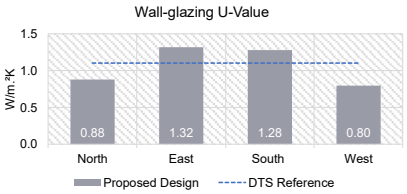
Tool Version
1.5 (May 2024)

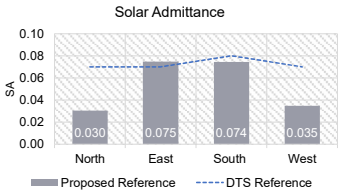
The summary below provides an overview of where compliance has been achieved for Specification S37 - Calculation of U-Value and solar admittance - Method 1 (Single Aspect) and Method 2 (Multiple Apects).

Compliant Solution =
Non-Compliant Solution =

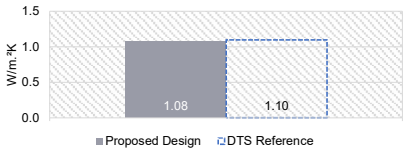
	Method 1 North	Method 1 East	Method 1 South	Method 1 West	Method 2 All
Wall-glazing U-Value (W/m².K)	0.88	1.32	1.28	0.80	1.08
Solar Admittance	0.03	0.07	0.07	0.03	
AC Energy V					38

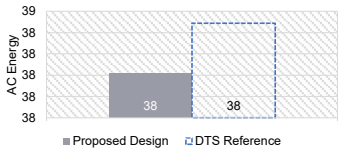
Method 1





Method 2





Project Details

	North	East	South	West
Glazing Area (m²)	33.76	42.64	64.98	16.74
Glazing to Façade Ratio	13%	25%	24%	11%
Glazing References	Fixed Window Ca - Casement Door	SL - Sliding Window	SL - Sliding Window Ca - Casement Door Fixed Window	SL - Sliding Window
Glazing System Types	Fixed Casement	Sliding window	Sliding window Casement Fixed	Sliding window
Glass Types	Double Glazed Unit - single low-E coating	Double Glazed Unit - single low-E coating	Double Glazed Unit - single low-E coating	Double Glazed Unit - single low-E coating
Frame Types	Aluminium	Aluminium	Aluminium	Aluminium
Average Glazing U-Value (W/m².K)	4.30	4.30	4.30	4.30
Average Glazing SHGC	0.41	0.41	0.41	0.41
Shading Systems	Horizontal	Horizontal	Horizontal	Horizontal
Wall Area (m²)	218	131	211	130
Wall Types	Wall	Wall	Wall	Wall
Methodology	Wall			
Wall Construction	Lightweight Fibre cement cladding with R2.0 plus reflective surface of 0.05 emittance and 20mm airspace Brick Cavity with R1.8 plus	Lightweight Fibre cement cladding with R2.0 plus reflective surface of 0.05 emittance and 20mm airspace Brick Cavity with R1.8 plus	Lightweight Fibre cement cladding with R2.0 plus reflective surface of 0.05 emittance and 20mm airspace Brick Cavity with R1.8 plus	Lightweight Fibre cement cladding with R2.0 plus reflective surface of 0.05 emittance and 20mm airspace Brick Cavity with R1.8 plus reflective surface of 0.05 emittance
Wall Thickness	128 270	128 270	128 270	128
Average Wall R-value (m².K/W)	2.88	2.90	2.89	2.90
Solar Absorptance	0.5	0.5	0.5	0.5