Façade

Report

Calculator

Project Summary

Date
15/01/2025

Name
Trish Campbell

Company
ACT Sustainable Systems

Position
Proprietor

Building Name / Address
49 Knox Street, Goulburn
Lot 1, DP 1294866

Building State
ACT

Climate Zone
Climate Zone 7 - Cool temperate

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

Storeys Above Ground
2

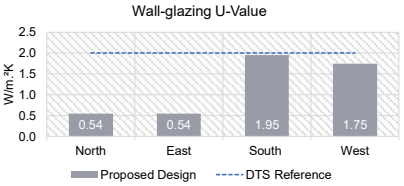
Tool Version
1.5 (May 2024)

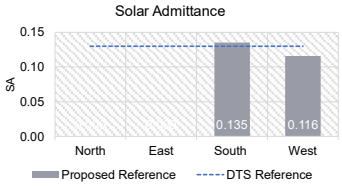
The summary below provides an overview of where compliance has been achieved for Specification S37 - Calculation of U-Value and solar admittance - Method 1 (Single Aspect) and Method 2 (Multiple Apects).

Compliant Solution =
Non-Compliant Solution =

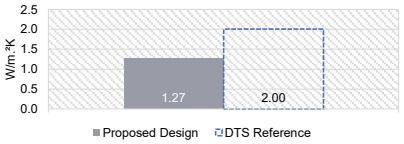
	Method 1				Method 2
	North	East	South	West	All
Wall-glazing U-Value (W/m².K)	0.54	0.54	1.95	1.75	1.27
Solar Admittance			0.14	0.12	
AC Energy V					15

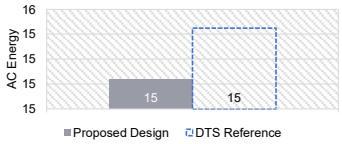
Method 1





Method 2





Project Details

	North	East	South	West
Glazing Area (m²)	0	0	25.08	6.27
Glazing to Façade Ratio	0%	0%	33%	28%
Glazing References			Office 1 S Office 2 S Office 3 S Office 4 S	Office 1 W
Glazing System Types			Double Hung	Double Hung
Glass Types			Double Glazed Unit - no low-E coating	Double Glazed Unit - no low-E coating
Frame Types			Aluminium	Aluminium
Average Glazing U-Value (W/m².K)			4.80	4.80
Average Glazing SHGC	0.00	0.00	0.41	0.41
Shading Systems				
Wall Area (m²)	50.22	34.3359	50.9463	15.93
Wall Types	Wall	Wall	Wall	Wall
Methodology	Wall			
Wall Construction	Metal Clad / Metal Frame Internal wall with R1.5 insulation	Metal Clad / Metal Frame Internal wall with R1.5 insulation	Metal Clad / Metal Frame	Metal Clad / Metal Frame
Wall Thickness	90	90	90	90
Average Wall R-value (m².K/W)	1.85	1.84	1.83	1.83
Solar Absorptance	0.7 0.5	0.7 0.5	0.7 0.5	0.7 0.5