

THERMAL PERFORMANCE SPECIFICATIONS: (21270 – 608 High Street)

The following specifications take precedence over other plan notations for the construction of this building.

NOTE: In addition to BASIX commitments; building compliance is required to comply with the 'New South Wales Additions' in the current edition of the NCC – Vol. 1, at the time of building.

This includes New South Wales Part J(A). Specifically:

- Building thermal construction is in accordance with part J1.2
- loss of ceiling insulation is compensated for by increased roof insulation in accordance with Part J1.3(c)
- where metal frames are used that thermal breaks are installed in accordance with Part J1.3(d) and J1.5(c)
- Any roof lights, windows, doors and exhaust fans are sealed in accordance Part J3
- Any new air-conditioning system is installed in accordance with Parts J5.2(a), J5.2(b), J5.2(c), J5.2(d), J5.2(f) & J5.2(g)
- Any new mechanical ventilation system is installed in accordance with Part J5.3
- Any new miscellaneous exhaust system is installed in accordance with Part J5.4
- Any new heated water system is installed in accordance Part J7.2
- Energy monitoring equipment is installed in accordance Part J8.3

WINDOWS (total product specification – glass + frame)

U-value 4.8 (or less than) & SHGC 0.59 (+/-5%) (Typically: Low-e Clear glass in AL. frame)
U-value 3.5 (or less than) & SHGC 0.64 (+/-5%) (Typically: Double glazed Clear glass in AL. frame) – applies to all Unit 21, 41 & 2436 sgd - Unit 16

EXTERNAL WALL (Light colour)

200mm Pre-cast concrete – R1.5 bulk insulation

INTERNAL WALL

70mm Cavity Panel/Concrete – No Insulation (generally)
Partition walls (Dincel1 150) – No thermal insulation required

EXTERNAL FLOOR

Suspended Concrete (above commercial level) – R1.5 bulk insulation
Suspended Concrete (Unit below) – No insulation

EXTERNAL CEILING / ROOF

Concrete/Plasterboard – No insulation (Unit above)
Concrete/Plasterboard – R1.5 bulk insulation (Roof above)

ROOF (Medium colour) (Non-ventilated)

Waterproof membrane – No insulation

RATED either with NO DOWNLIGHTS or with LED downlights which do not penetrate ceiling insulation (ie: IC rated)