

BUILDING DESIGN CRITERIA Wind Load - in accordance with AS.1170.2-2011 **REGION A, TERRAIN CATEGORY 2, IMPORTANCE LEVEL 2:** Vu = V500 = 45 m/sMs = 1.0

Mzcat = 0.91 V Serviceability = 37m/s

DESIGN CRITERIA IN ACCORDANCE WITH AS1170.1-2002: Imposed Floor Actions (Table 3.1)

Allowable Floor Loads: 3.0kPa Uniformly distributed. 2.7kN Concentrated load.

Allowable Balcony Loads: 4.0kPa Uniformly distributed.

DESIGN CRITERIA IN ACCORDANCE WITH AS1170.4-2007:

Probability P= 1/500 (Table 3.1)

Kp = 1.0 (Table 3.1)

Site hazard factor Z allowed = 0.12 (Figure 3.2(C) Earthquake design category = EDC I as per Table 2.1

REGION A WINDOWS DESIGN CRITERIA TO AS 2047:

For residential and commercial buildings (Clause 2.3.2):

1. Serviceability pressure:
General - 485Pa, over 600 to 1200mm from corner - 725Pa, up to 600mm from corner - 970Pa

2. Ultimate strength pressure: General - 710Pa, over 600 to 1200mm from corner - 1065Pa, up to 600mm from corner - 1415Pa

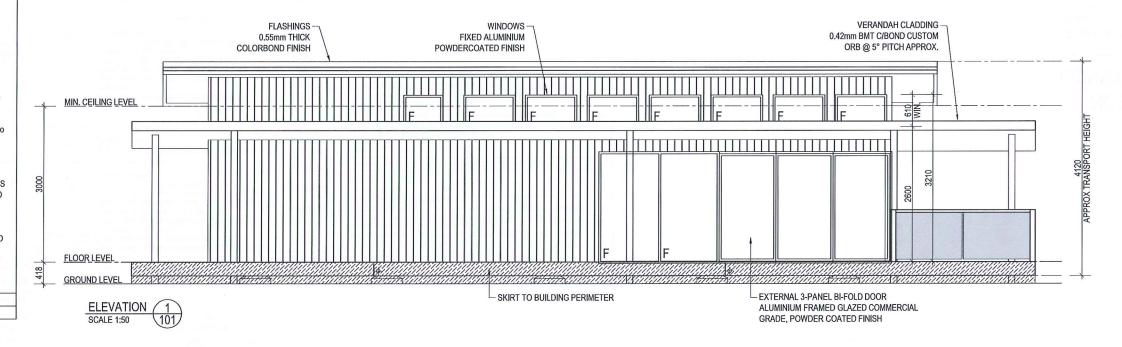
3. Water penetration resistance pressure: Non-Exposed - 150Pa, Exposed - 200Pa

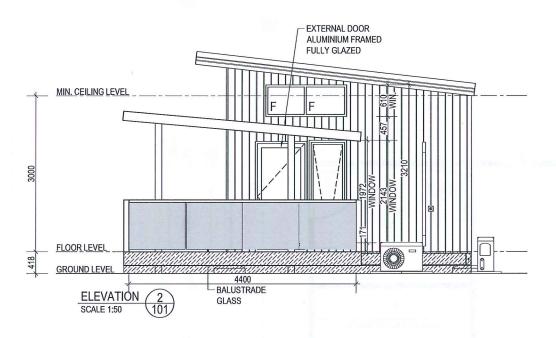
THE ENTIRE ROOF AND WALL ASSEMBLIES, THEIR CONNECTIONS & IMMEDIATE SUPPORTING MEMBERS HAVE BEEN DESIGNED SO AS TO BE CAPABLE OF REMAINING IN POSITION NOTWITHSTANDING ANY PERMANENT DISTORTION, FRACTURE OR DAMAGE THAT MIGHT OCCUR IN ACCORDANCE WITH NCC VOLUME 1, SPECIFICATION B1.2 OR VOLUME 2, PART 2.1.1(b) AND 3.10.1 HIGH WIND AREAS (IF APPLICABLE)

ALL REFERENCED STANDARDS TO BE THE CURRENT VERSION AT THE TIME OF CONSTRUCTION

Built To: NCC CLASS 5 BUILDING

CLIMATE ZONE 5





NOT FOR CONSTRUCTION

PRELIMINARY PLAN

SUBJECT TO FINAL ENGINEERING AND ENERGY EFFICIENCY CONSULTANTS REPORT

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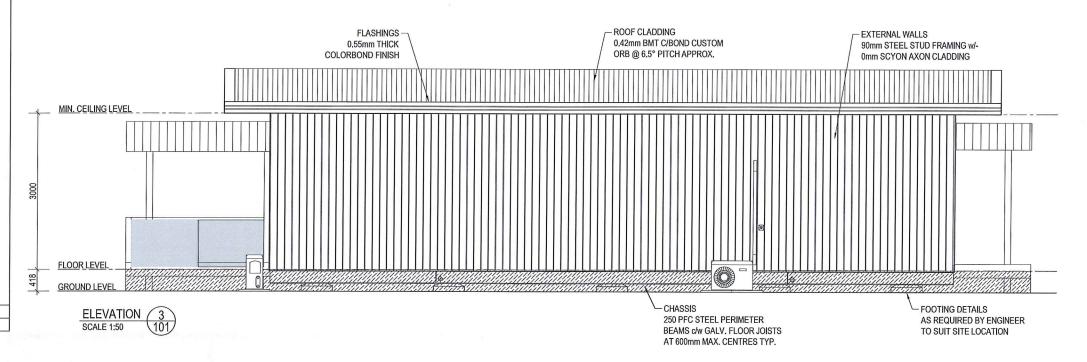
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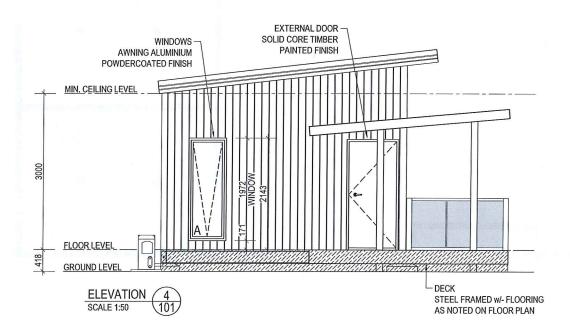
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