# **PROPOSED RFS SHED** LOT 7, DP255952 519 SNOWY MOUNTAINS HWY, TUMUT NSW 2720

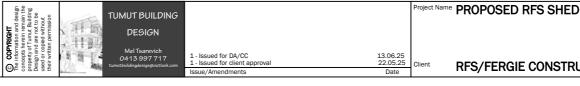


LOCATION MAP

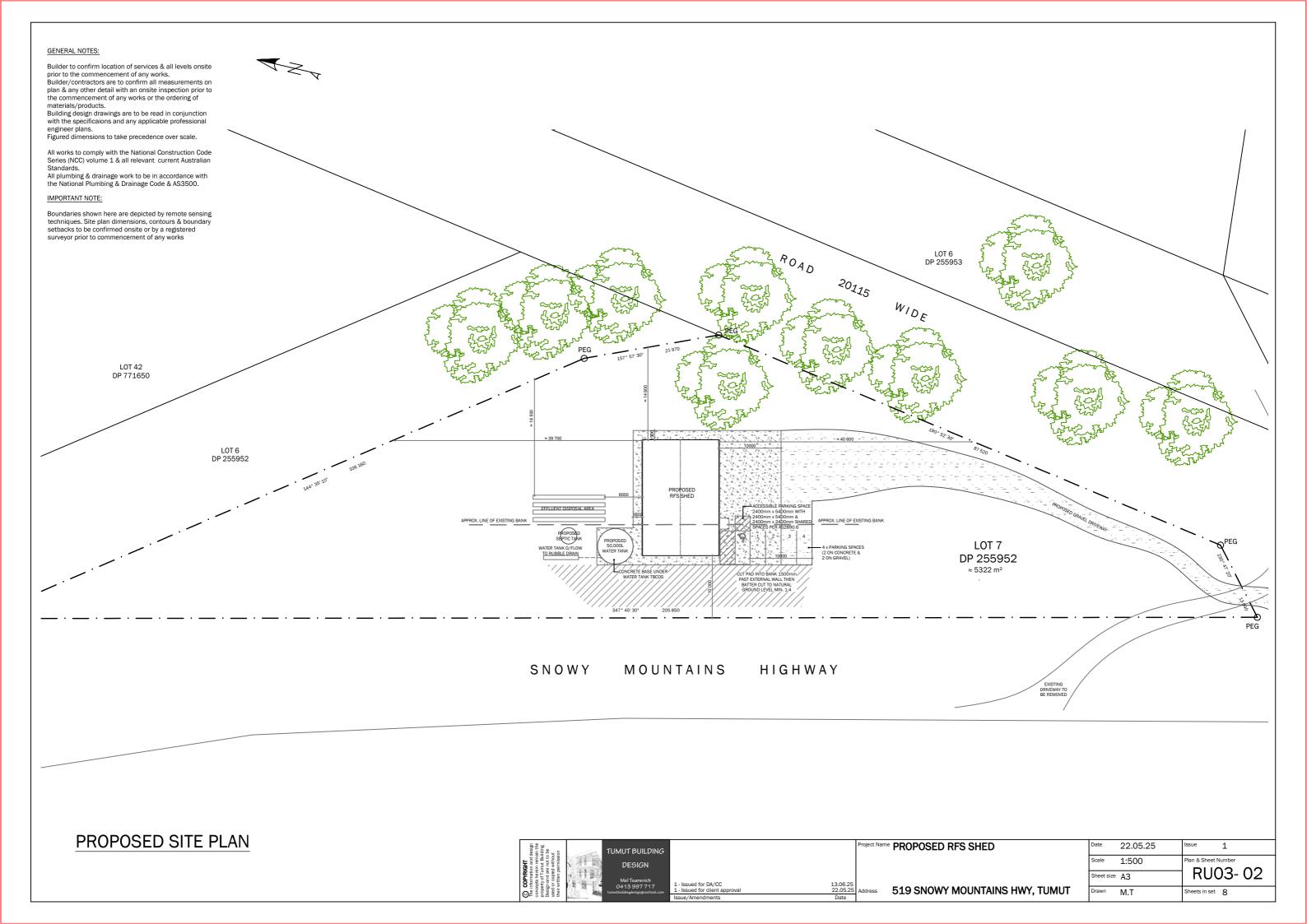
IMAGE SOURCE: SIX MAPS NSW

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RUCTIONS	Drawn	M.T	Sheets in set 8



#### GENERAL NOTES:

Builder to confirm location of services & all levels onsite prior to the commencement of any works. Builder/contractors are to confirm all measurements on plan & any other detail with an onsite inspection prior to the

commencement of any works or the ordering of materials/products. Building design drawings are to be read in conjunction with the specifications and any applicable professional engineer plans Figured dimensions to take precedence over scale.

All works to comply with the National Construction Code Series (NCC) volume 1 & all relevant current Australian Standards. All plumbing & drainage work to be in accordance with the National Plumbing & Drainage Code & AS3500. Accessible sanitary compartments to be in accordance with AS1428.1-2009

#### SECTION J NOTES:

Part J1 - Noted

- Part J2 Noted
- Part J3 Not applicable to building classification
- Part J4 Building Fabric -J4D3 - Thermal construction - Insulation and installation where required, shall comply with the requirements of this clause J4D4 - Roof & ceiling construction - The roof or ceiling above a conditioned zone must achieve a Total R-Value greater than or equal to R3.7 for an upward direction of heat flow for climate zone 7.
  - J4D5 Roof lights Not applicable
  - J4D6 Walls & glazing the Total System U-Value of wall-glazing construction must not be greater than U2.0. The Total system U-Value must be calculated in accordance with Specification 37. Wall components of a wall-glazing construction must achiece a minimum Total R-Value of 1.4 for climate zone 7 The solar admittance of externally facing wall-glazing construction, excluding wall-glazing construction which is wholly internal, must not be greater than 0.13 for all aspects in climate zone 7.
  - The solar admittance of a wall-glazing construction must be calculated in accordance with Specification 37 J4D7 - A floor must acheve the Total R-Value 2.0 downward heat flow for climate zone 7. A slab-on-ground that does not have an in-slab heating or cooling system is considered to achieve a Total R-Value of R2.0 in climate zone 7. Perimeter insulation is not required
- Part J5 Building Sealing -
  - J5D3 Chimneys & flues Not applicable
  - J5D4 Roof lights Not applicable
  - J5D5 Windows & doors Doors and openable windows forming part of the building envelope in climate zone 7 must be sealed except where windows comply with AS2047. Doors must be fitted with a draft protection device to the bottom edge and a foam or rubber compression strip.
  - fibrous seal or the like, to all other edges. The entrance door to the building must be self-closing
  - J5D6 Exhaust fans all exhaust fans shall be fitted with a sealing device such as a self-closing damper J5D7 Construction of ceilings, walls and floors Ceilings, walls, floors and any opening such as a window frame, door frame or the like forming part of the building envelope in climate zone 7 must be constructed to minimise air leakage. Internal lining systems must be close fitting at ceiling, wall and floor junctions; or sealed at junctions and penetrations with close fitting architrave, skirting or cornice; or expanding foam, rubber compressible strip, caulking or the like. These requirements do not apply to openings, grilles or the like required for smoke hazard management J5D8 - Evaporative coolers - Not applicable

#### Part J6 - Air-conditioning and ventilation systems

- J6D3 Air-conditioning system control An air-conditioning system must be capable of being deactivated when the building or part of a building served by that system is not occupied. Air-conditioning units shall only serve one air-conditioning zone. Where the air-conditioning unit provides the required mechanical ventilation it must have an outdoor air economy cycle. Where the air-conditioning unit has an airflow of more than 1000 L/s, it must have a variable speed fan. The unit must have the ability to use direct signals from the control components responsible for the delivery of comfort conditions and have a control dead band of not less than 2°.
- Balancing dampers and balancing valves must be provided to meet the needs of the system at its maximum operating condition. When deativated, any motorised outdoor air or return air damper that is not otherwise being actively controlled must close.
- Time switches must be provided to control an air-conditioning system of more than 2 kWr; and a heater of more than 1 kW used for air-conditioning. The time switch must be capable of switching electric power on and off at variable pre-programmed times and on variable pre-programmed days
- J6D4 Mechanical ventilation system control Not applicable, no systems proposed
- J6D5 Fans and duct systems Not applicable, no systems proposed J6D6 Ductwork insulation Not applicable, no ducting proposed
- J6D7 Ductwork sealing Not applicable, no ducting proposed J6D8 Pump systems Not applicable, no systems proposed
- J6D9 Pipework installation Piping that is part of an air-conditioning system must be provided with insulation complying with AS/NZS 4859.1. Insulation must be protected against the effects of weather and sunlight and be able to withstand the temperatures within the piping
- J6D10 An electric heater as part of an air-conditioning system must have a maximum heating capacity of 70W/m<sup>2</sup> in climate zone 7
- J6D11 An air-conditioning system refrigerant chiller must comply with MEPS J6D12 Unitary air-conditioning equipment Not applicable
- J6D13 Heat rejection equipment Not applicable

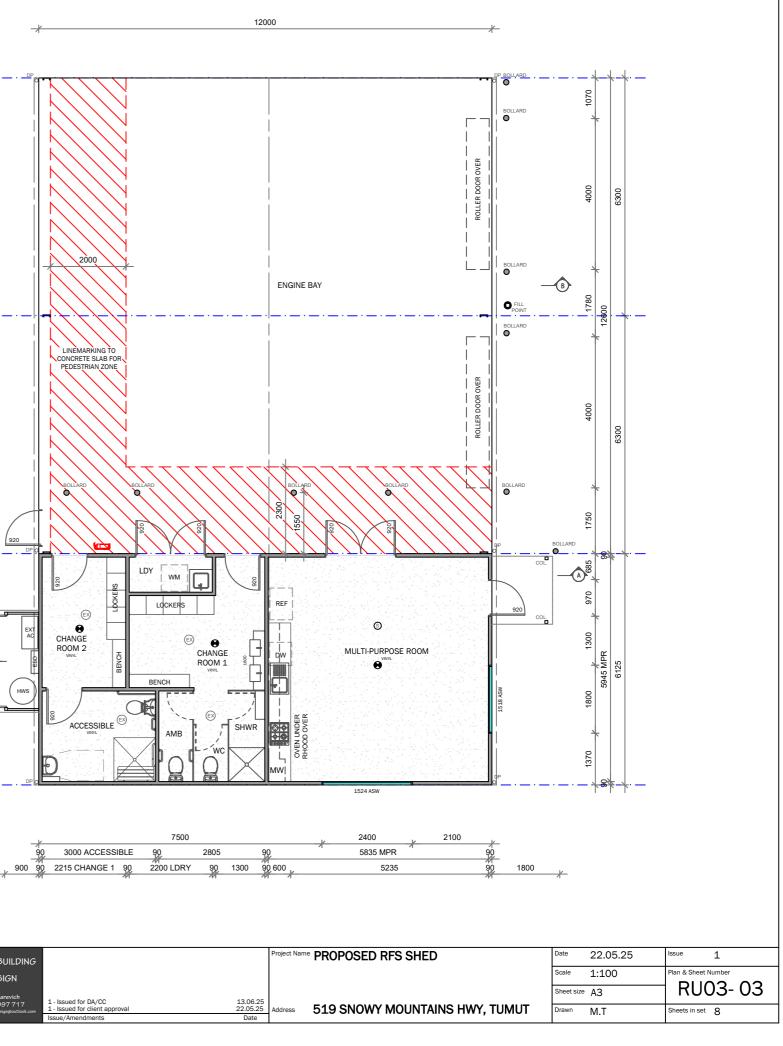
Part J7 - Artificial lighting and power

- J7D3 The aggregate design illumination power load of artifical lighting must not exceed the sum of the allowances obtained by multiplying the area of each space by the maximum illumination power density of 4.5 W/m<sup>2</sup> for general purpose areas; 5 W/m<sup>2</sup> for corridors; 3 W/m<sup>2</sup> for toilets, tea rooms and the like; 1.5 W/m<sup>2</sup> for storage areas. These requirements don't apply to emergency lighting provided in accordance with Part E4
- J7D4 All artificial lighting must be individually operated by a switch located in a visible and easily accessed position in the room or space being switched. Time switches and sensors not required as internal building area is less then 250m<sup>2</sup> J7D5 - Interior decorative and display lighting - Not applicable
- J7D6 Exterior artificial lighting Exterior artificial lighting attached to or directed at the facade of a building must be controlled by a daylight sensor or time switch. When the light load exceeds 100 W the light must use LED luminaries for 90% of the total lighting load J7D7 - Boiling water and chilled water storage units - Power supply to a boiling or chilled water storage unit must be
- controlled by a time switch
- J7D8 Lift Not applicable
- J7D9 Escalators and moving walkways Not applicable Part J8 Heated water supply and swimming pool and spa pool plant
- J8D2 A heated water supply system for food preparation and sanitary purposes must be designed and installed in accordance with Part B2 of NCC Volume 3
- J8D3 Swimming pool heating and plumbing Not applicable
- J8D4 Spa pool heating and pumping Not applicable Part J9 Energy monitoring and on-site distributed energy resources

  - J9D3 Facilities for energy monitoring Not applicable, internal building area <500m<sup>2</sup> J9D4 Facilities for electric vehicle charging equipment Not required, less than 9 parking spaces
  - J9D5 Facilities for photovoltaic and battery systems The main electrical switchboard must contain at least two empty three-phase circuit breaker slots and four DIN rail spaces labelled to indicate the use of each space for a solar photovoltaic system and a battery system. At least 20% of the roof area of a building must be left clear for the installation of solar photovoltaic panels





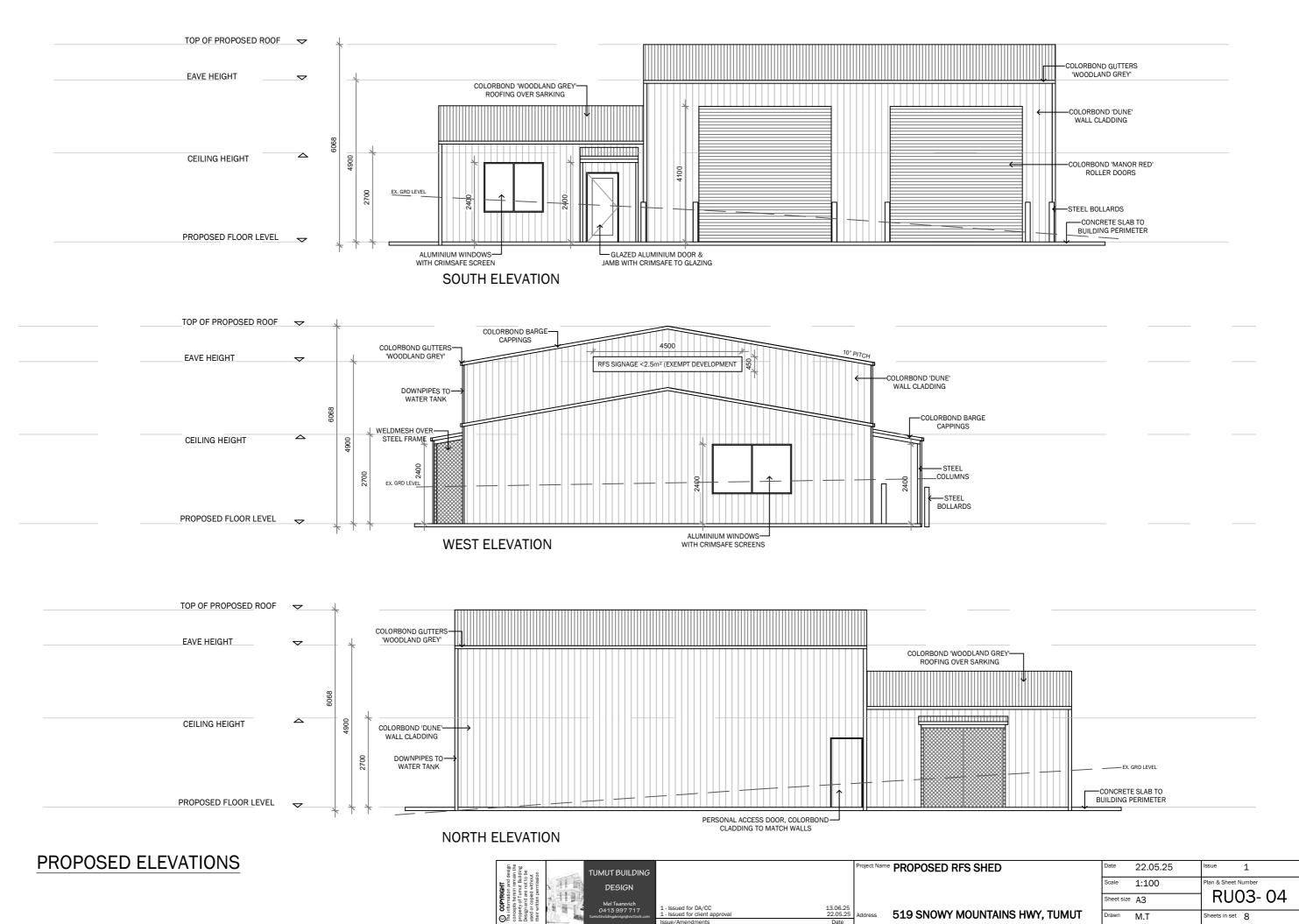




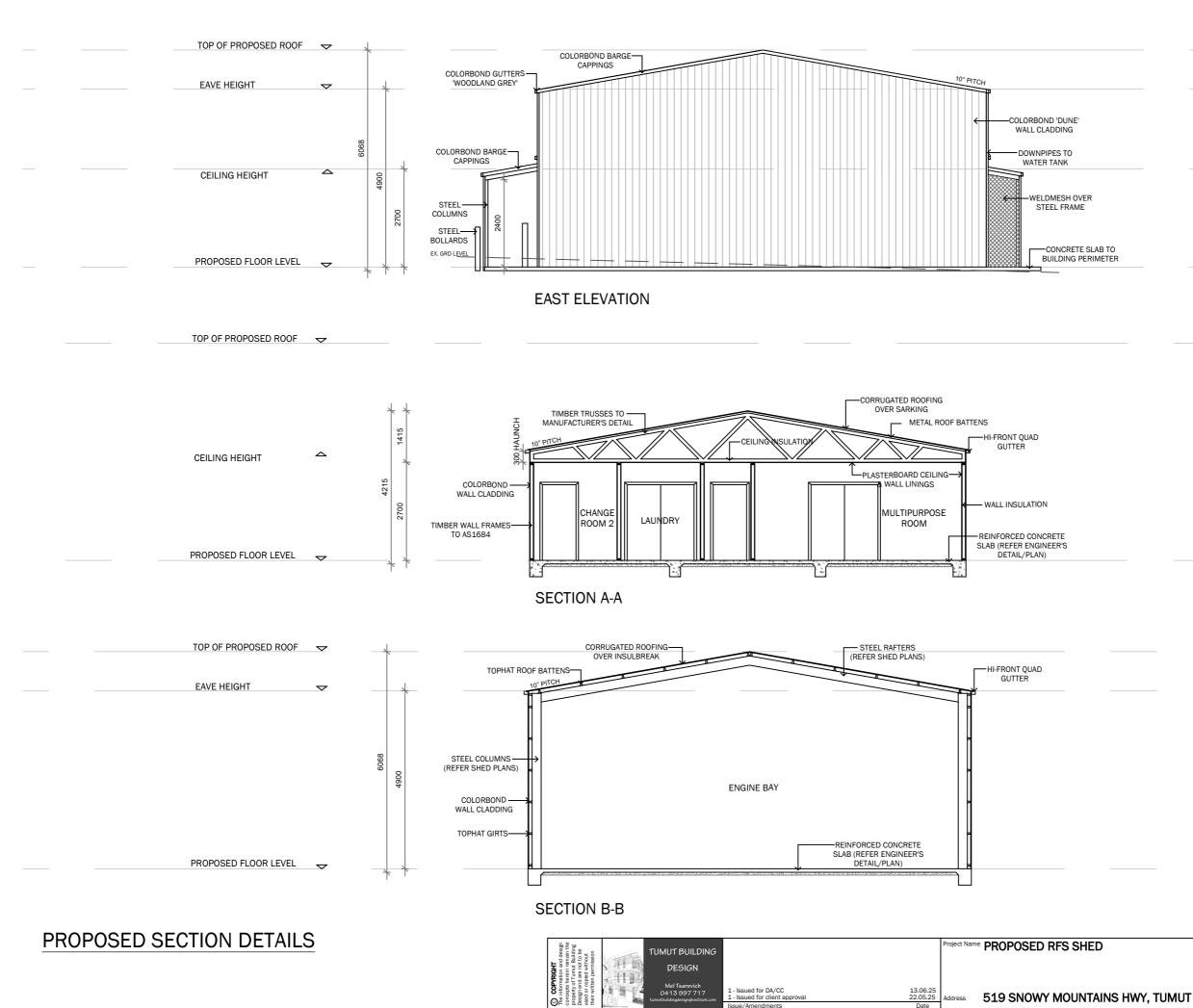
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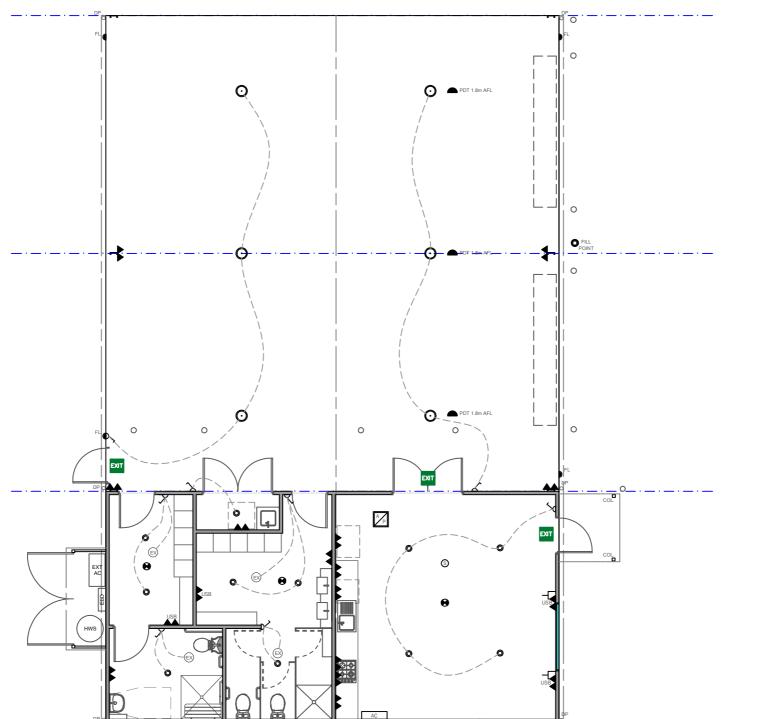




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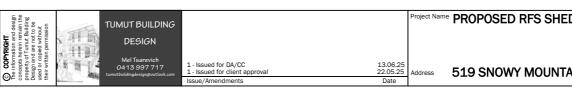


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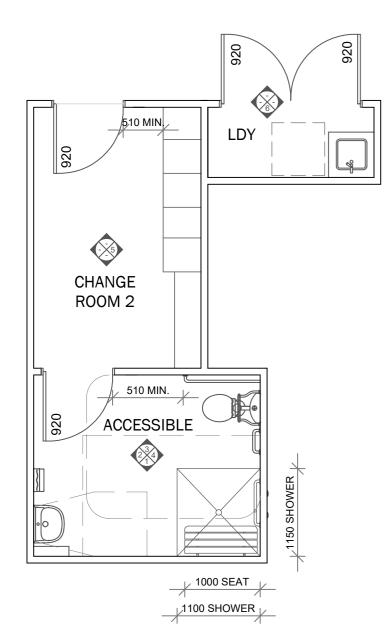


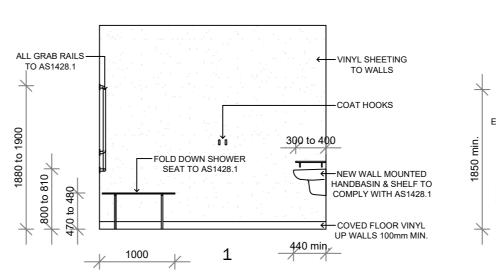
LEGEND: LED HIGH BAY LIGHT LED SEALED DOWNLIGHT FL FLOOD LIGHT WITH MOTION SENSOR EMERGENCY LIGHT EXHAUST FAN LIGHT SWITCH SMOKE DETECTOR DUBLE POWERPOINT DUBLE POWERPOINT WITH USB DUBLE POWERPOINT WITH USB DUBLE DATA OUTLET RETRACTABLE PENDANT OUTLET MALL MOUNTED A/C UNIT ACCESS PANEL O<sup>DP</sup> DOWNPIPE FLEXIBLE TANKER FILLING POINT EXIT LIGHT

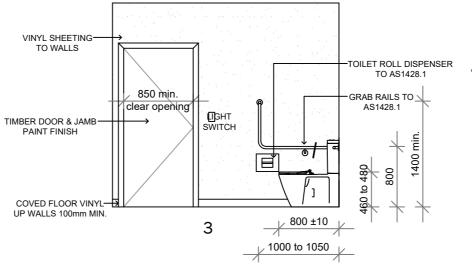
## ELECTRICAL LAYOUT

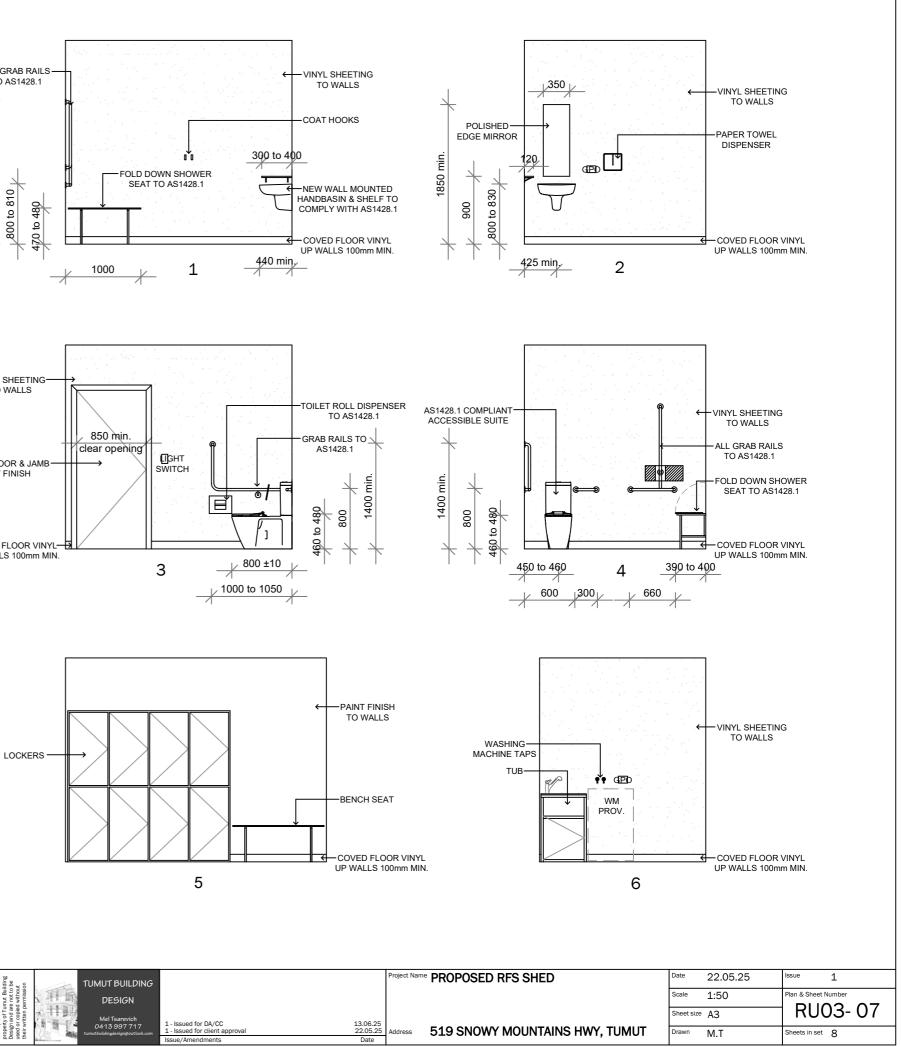


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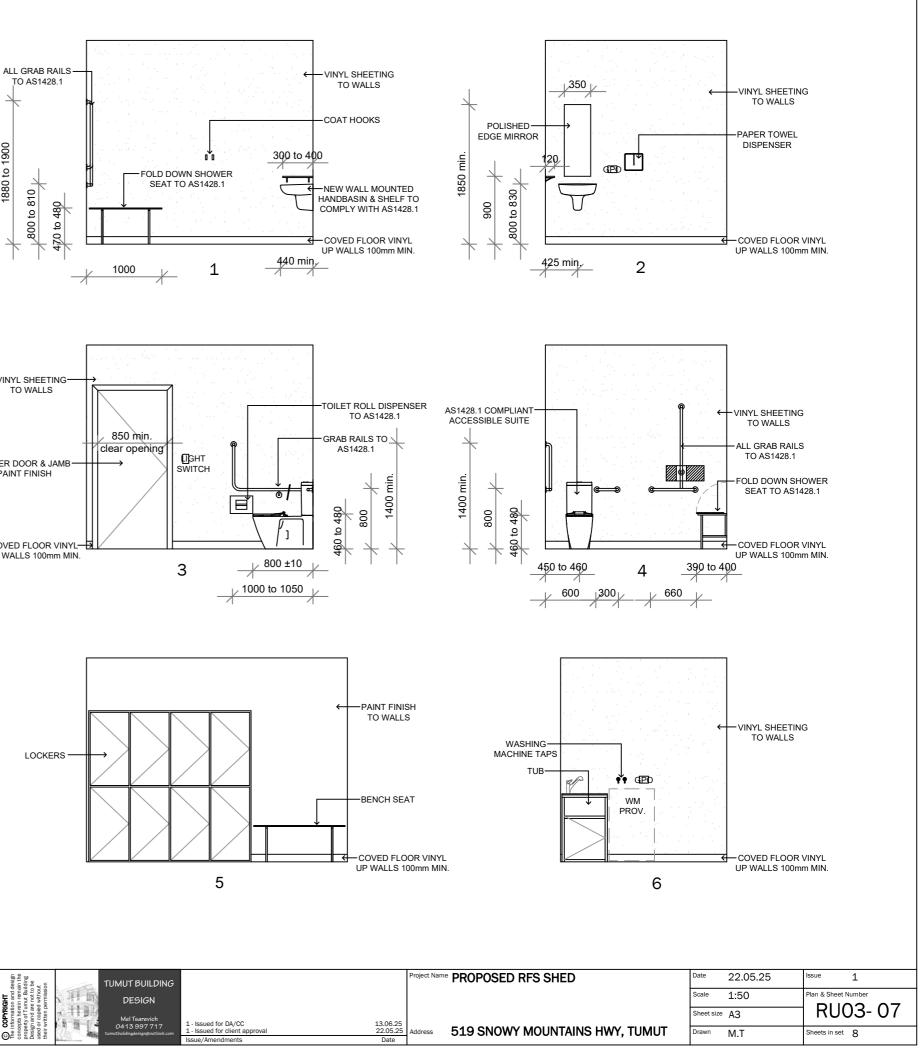


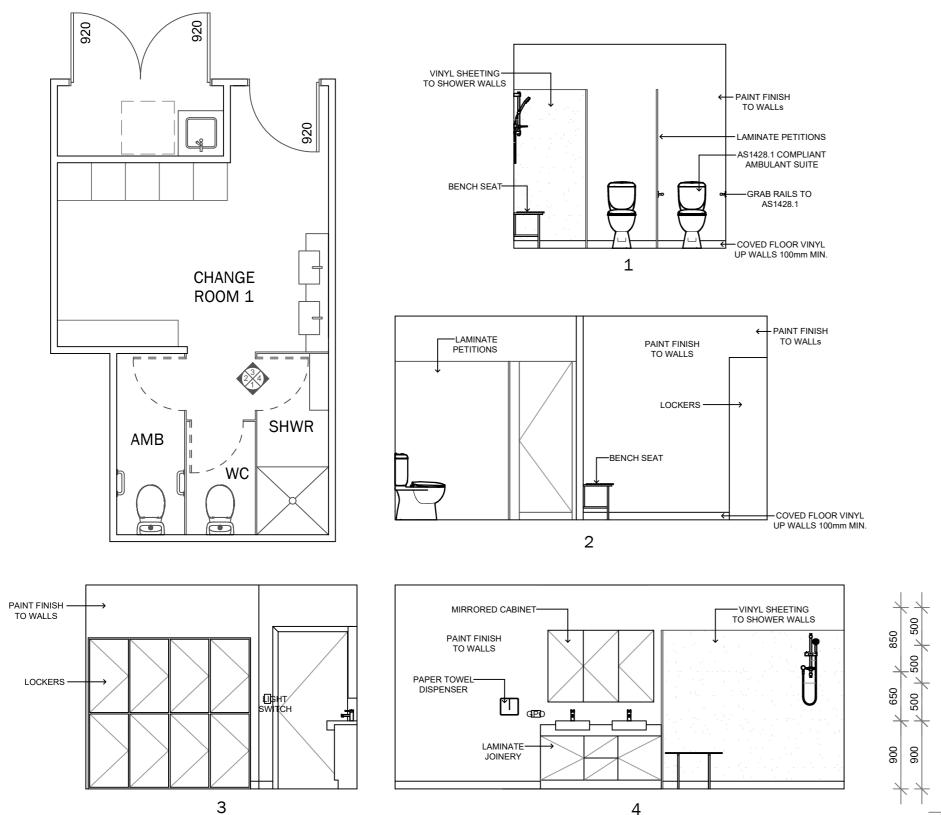


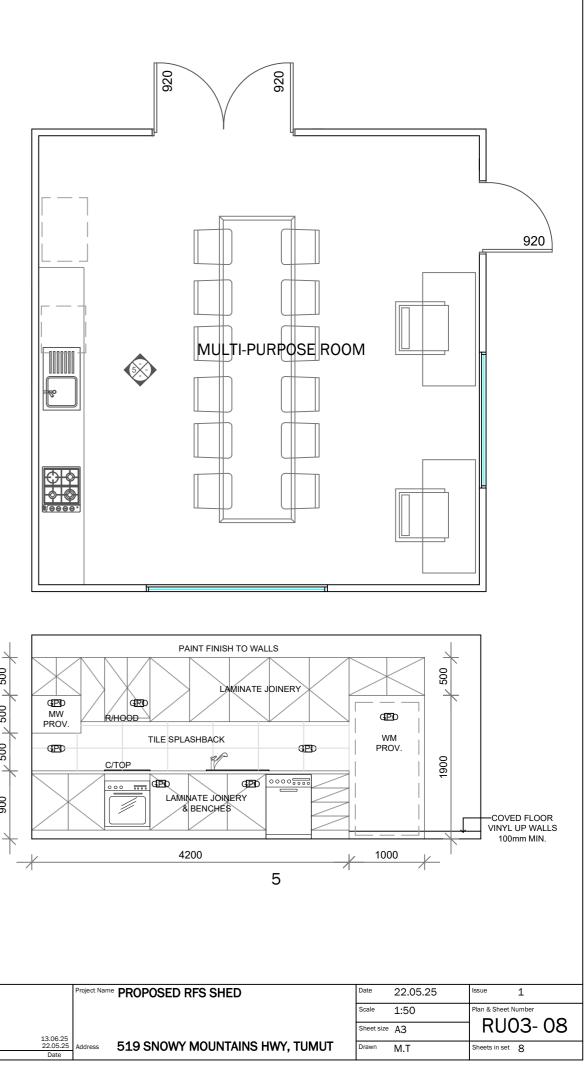




## **INTERNAL ELEVATIONS 1**







**INTERNAL ELEVATIONS 2** 

