



CLIENT NAME
 Client Address 1
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Cover Page

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YZY Kit Homes New Zealand
 Scandinavian Backyard Cabins & Granny Flats



1516 Dunedin Northern Motorway, Waitati, Otago.
 Tel: (021) 542 552 - Web: www.mopanui.com
 Email: mopanuihomes@yahoo.co.nz

Scale -
 Wind Zone - **High**
 Exposure Zone - **B**

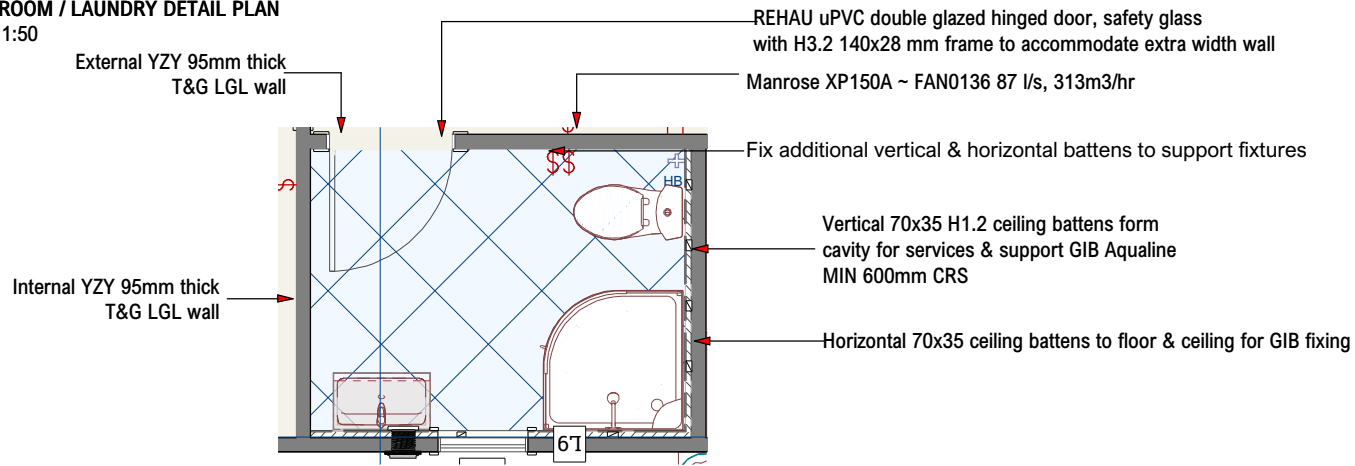
CONCEPT PLANS
 E/Quake Zone -3
 Snow Load <1kpa

V: 2.0
 Altitude + 56 m
 Printed: 3/08/2024

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BATHROOM / LAUNDRY DETAIL PLAN
Scale 1:50



Kitchen Fixtures:	
Sink:	Stainless Steel with S/S mixer
Cooking:	Gas hob with electric oven
Hood:	Robinhood RWE3CL6SS Range Hood min extraction 460m ³ per hour [128L ³ per second] vented through wall with 150mm dia Uniduct kit to weatherproof wall cowl
Bench:	Formica bench tops with min 150mm up-stand to splash areas
Ventilation:	With opening window
Laundry Fixtures:	
Washer:	Drains to laundry tub
Tub:	Stainless Steel tub with hot & cold supply to washing machine

Deck:
Decking: 140x40 Grooved H3.2 Radiata
Decking fixed at right angles to direction of travel
Provide a slip resistance coating to decking to comply with D1/AS1

Living Areas:
Floor Covering: Carpet on Underlay
Wall Lining: N/A
Wall Finish: Acrylic Paint or Varnish
Ceiling Lining: 25mm Nordic Spruce T & G
Ceiling Finish: Acrylic Paint or Varnish
Ventilation: With opening windows

Kitchen:
Floor Covering: Non Slip Vinyl
Wall Lining: N/A
Wall Finish: Water Based Enamel or Varnish
Ceiling Lining: 25mm Nordic Spruce T & G
Finish: Acrylic Paint or Varnish
Splash Areas: Tile finish 1 run of 150mm square tiles

Means of Heating:
Mitsubishi SLZ 50 Heat Pump

Water Heating:
Gas Califont

Insulation:
Floor: R2.6 Pink Batts Snugfloor
Walls: R0.996 LGL Nordic Spruce
Ceiling: R3.6 Pink Batts Skillion

NZS4218:2009 Calculation Method Compliance H1/AS1:
Design Navigator Report is in the Supporting Documents

Floor	Minimum R0.65	Achieved R2.82
Walls	Minimum R0.7	Achieved R0.996
Roof	Minimum R1.75	Achieved R3.56

Bathroom / Laundry:
Floor: Strandfloor T&G H3.1 Sheet
Floor Covering: Non Slip Ceramic Tile
Wall Lining: 10mm GIB Aqualine on
Wall Cavity: Vertical 35mm H1.2 cavity battens @ 600mm CRS
2x battens either side of sheet joints, 1 fixed mid sheet
Fix H1.2 blocking to support fixtures where required

Wall Finish: Water Based Enamel Paint to non-tiled walls
Ceiling Lining: 25mm Nordic Spruce T & G
Ceiling Finish: Water Based Enamel Paint or Varnish
Splash Areas: Tile finish 1 run of 150mm square tiles
Ventilation: With opening window
Shower: Resin base & walls with Safety Glass Door
Vanity: Wall hung resin basin in melamine carcass

Mechanical Ventilation:
Main Fan: Manrose XP150A ~ FAN0136 ~ 87 l/s, 313m3/hr

Smoke Alarms: F7 Warning Systems

3.2.2
authority as complying with at least one of:
UL 217, CAN/ULC S531, AS3786, BS 5446: Part 1

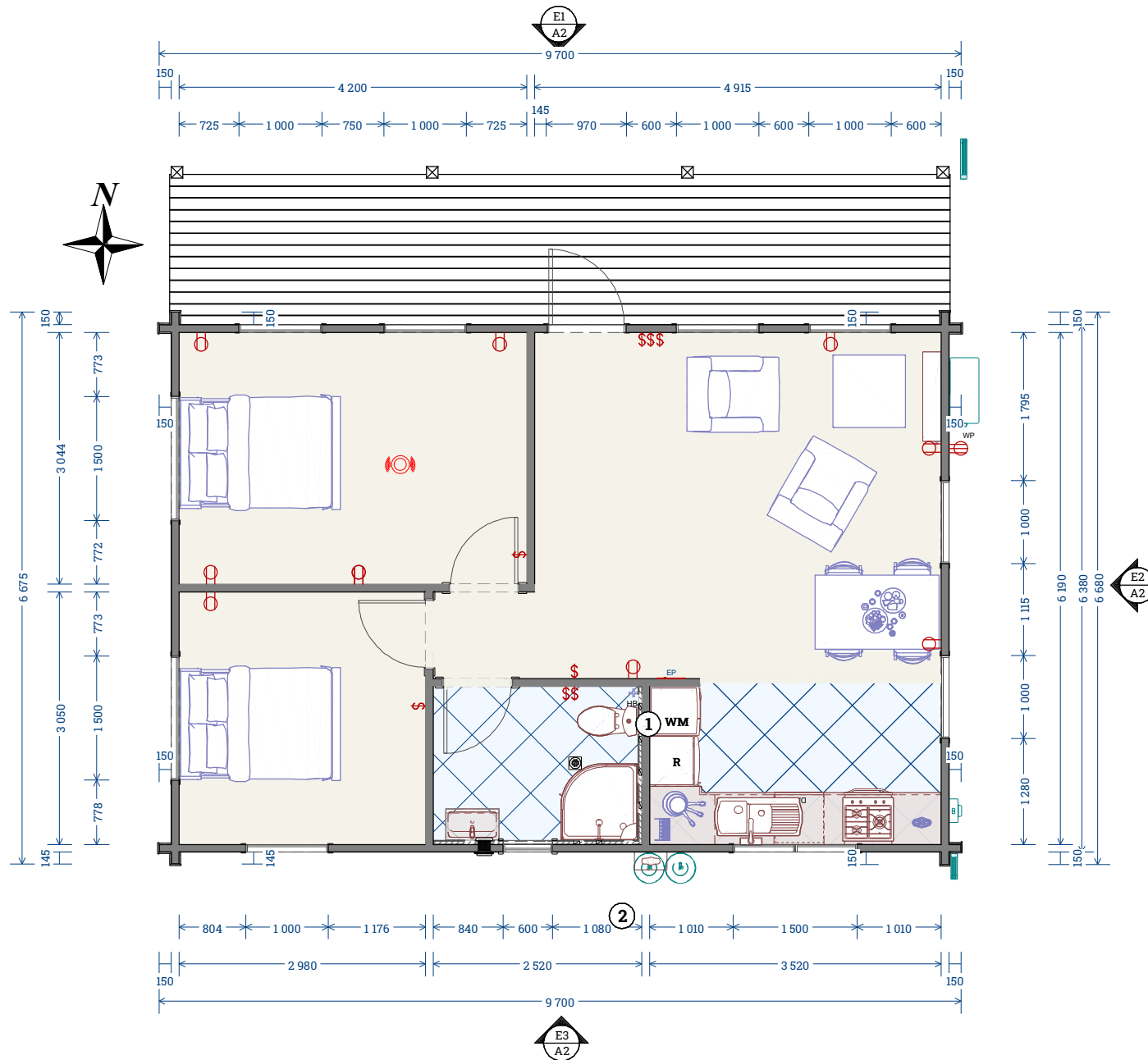
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LIGHTING REQUIREMENT G8/AS1
Porch area: 13.5m² requires 270W
5x 60W incandescent lamps in general diffusing enclosure
or 5x 12W LED lamps in general diffusing enclosure

Bathroom: 8.05m² requires 160W
3x 60W incandescent lamp in general diffusing enclosure
or 3x 12W LED lamp in general diffusing enclosure

All external walls to be 95mm solid laminated Norway Spruce (Picea Abies), coated with Triple Guard TermiTreat & 2 coats of Universal Stain Plus or 2 coats of Ultralast Weather Protect stain.

All external timber (cover battens, window & door facings, trim & T&G soffit linings) to be Norway Spruce (Picea Abies), coated with Triple Guard TermiTreat & 2 coats of Universal Stain Plus or 2 coats of Ultralast Weather Protect stain.



LPG cylinders shall be restrained against seismic activity by hot-dip galvanized steel or Grade 316 stainless steel chains, brackets and fasteners. The brackets shall be fastened to a wall or similar structural support. Fasteners used to secure chains and brackets shall be capable of withstanding applied loads at least four times the weight of the filled cylinder

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Proposed Architectural Floor Plan



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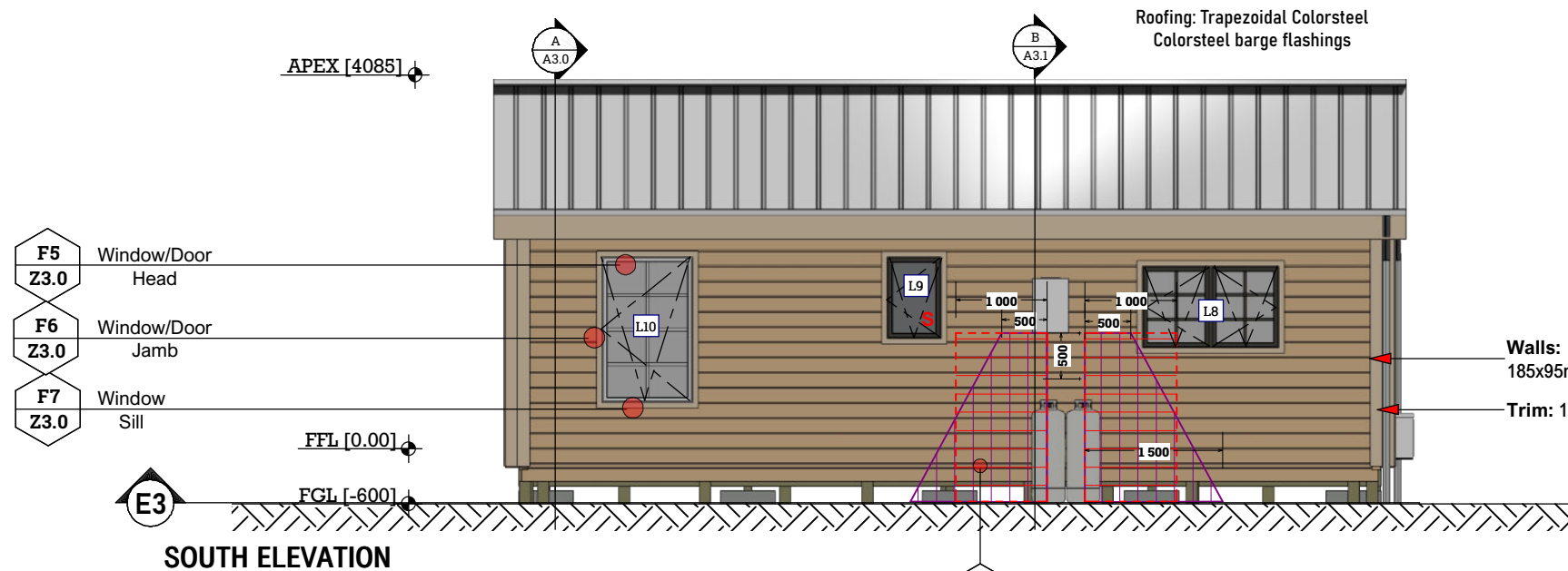
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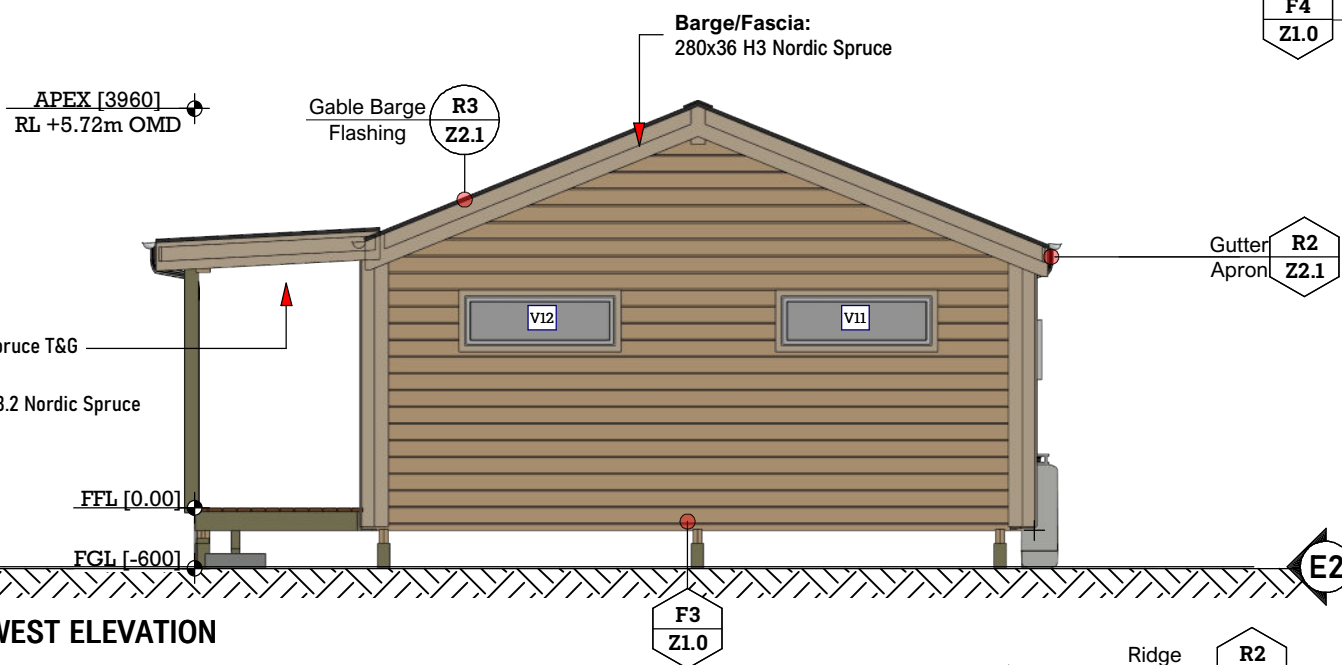
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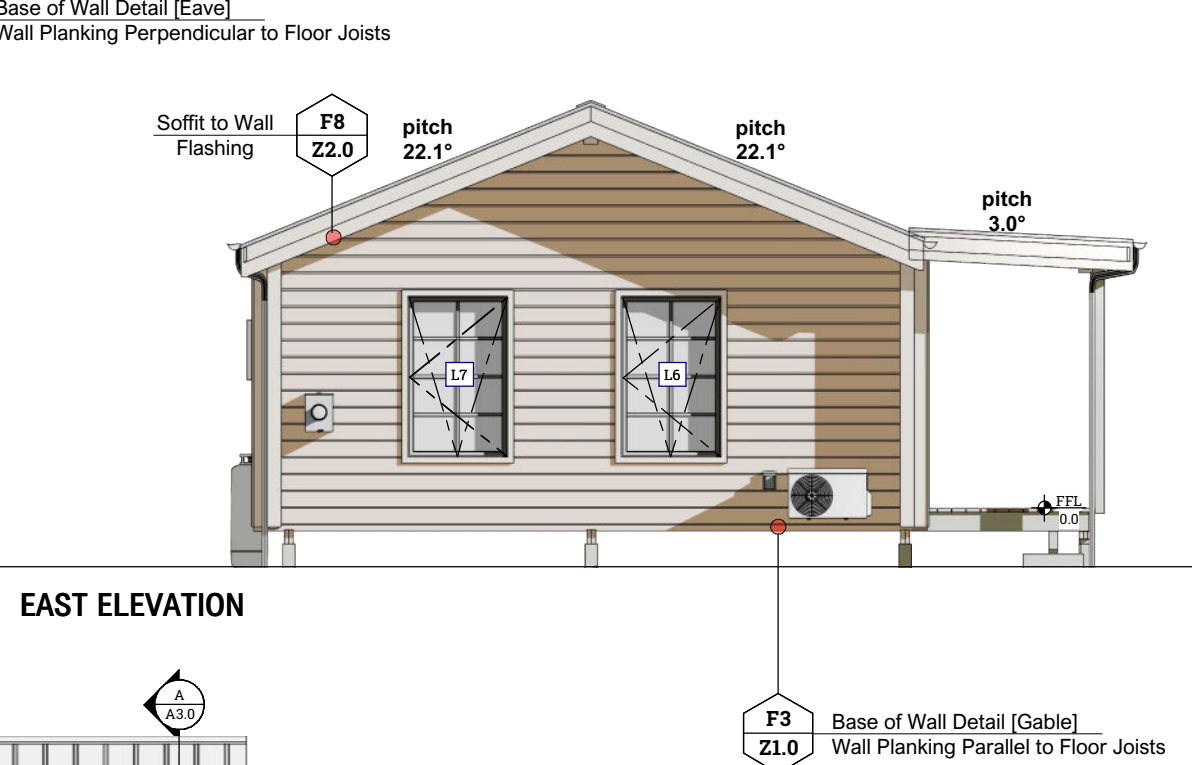
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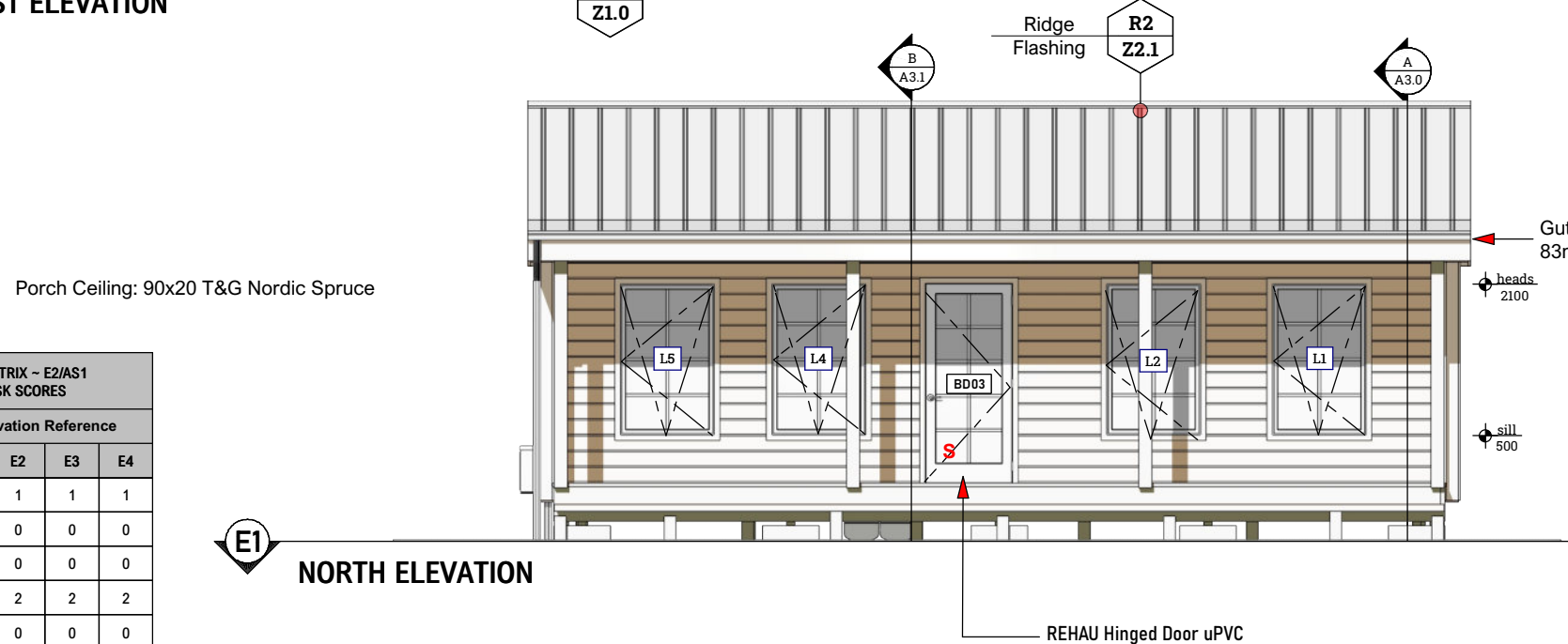
SOUTH ELEVATION



WEST ELEVATION



EAST ELEVATION



NORTH ELEVATION

WATERTIGHTNESS RISK MATRIX - E2/AS1 BUILDING ENVELOPE RISK SCORES				
Risk Factor	Elevation Reference			
	E1	E2	E3	E4
Wind Zone	1	1	1	1
Number of Stories	0	0	0	0
Roof to Wall Intersections	0	0	0	0
Eaves Width	0	2	2	2
Envelope Complexity	0	0	0	0
Deck Design	0	0	0	0
Elevation Total	1	3	3	3

REHAU uPVC Windows & Doors:
uPVC frames with double glazing

All glazing & safety glass locations shall comply with NZS4223.3
Grade A Safety Glass to glazing less than 1500 mm above the abutting finished floor level or standing area of a bath or shower in bathrooms, except where a vanity unit or a bench of a minimum height of 760 mm and a minimum width of 300mm is located in front of the glazing.

Safety Glass to NZS4223 1999 Human impact part 3

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Roof Framing

Rafters: 290x45 Nordic Spruce @ 0.9 m max CRS
 Purlins: 70 x 45 H1.2 fixed to each rafter/purlin
 Fixing Type T/ 10g 80mm self-drilling screw
 Alternative fixing capacity 2.4kN

Roofing:

Trapezoidal Colorsteel fixed in accordance with E2/AS1

Roof Underlay:

Thermakraft 215 Kraft fixed in accordance with manufacturers specification

Soffit & Fascia/Barge:

Soffit Lining: 90x20 T&G Nordic Spruce
 Fascia: 280x25mm Pre painted Finger Jointed Radiata

Stormwater Gutter:

Marley Typhoon uPVC

Ceiling Linings:

90x20mm T&G Nordic Spruce
 fixed across rafter

Sub Floor Framing:

Piles: 125x125 H5 Timber Piles
 Bearers: 140x90 SG8 H3.2

Ground Floor Framing ~ 2kPa load [Dry in service]

Floor Joists: 140 x 45 SG8 H3.2 @ 600 c/c
 End Joists: 140 x 45 SG8 H3.2
 Blocking: 140 x 45 SG8 H3.2
 Flooring: Strandfloor T&G H3.2 20mm

Deck Framing ~ 2kPa [Wet in service]

Bearers: 140 x 90 SG8 H3.2
 End Joists: 140 x 45 SG8 H3.2
 Deck Joists: 140 x 45 SG8 H3.2 @ 600 c/c
 Decking: 140x20 Grooved H3.2 Radiata
 Decking fixed at right angles to direction of travel
 Provide a slip resistance coating to decking to comply with D1/AS1
 Use Resene Non Skid Deck & Path D313 or similar

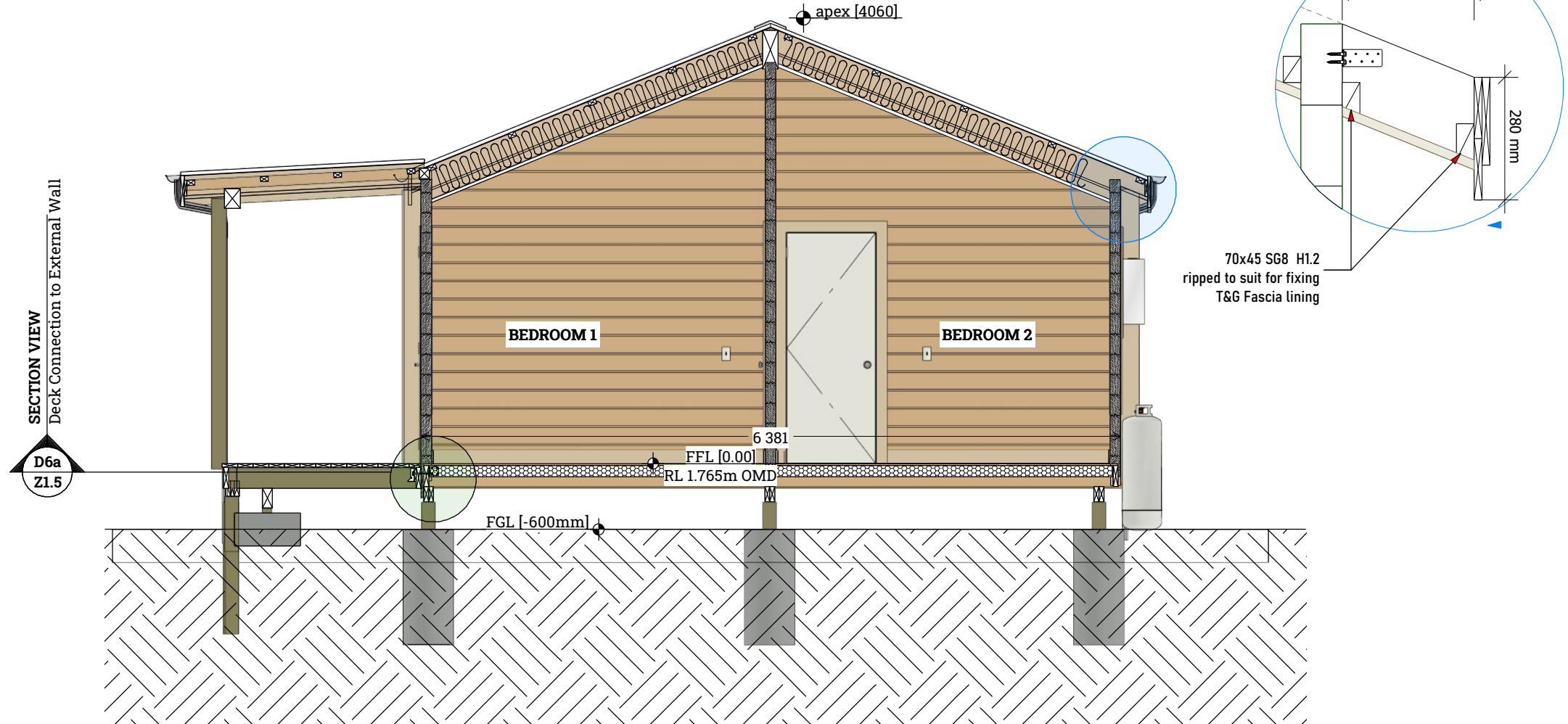
Insulation:

Floor: EXPOL Black R1.8
 Walls: R0.996 LGL Nordic Spruce
 Ceiling: R3.6 Pink Batts

B2/AS1 & E2/AS1 Timber Treatment

All external walls to be 95mm solid laminated Norway Spruce (Picea Abies), coated with Triple Guard TermiTreat & 2 coats of Universal Stain Plus or 2 coats of Ultralast Weather Protect stain.

All external timber (cover battens, window & door facings, trim & T&G soffit linings) to be Norway Spruce (Picea Abies), coated with Triple Guard TermiTreat & 2 coats of Universal Stain Plus or 2 coats of Ultralast Weather Protect stain.



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Suspended Timber Floor
 Proposed Cross Section A - A



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