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Architectural Drawings - For Consent

Date: 28/10/26

60m² NIA 2-Bed Bunnings Truss House
624 Ballantyne Road, Wānaka

Lot 2 DP 619545

TIMBER TREATMENT SUMMARY TABLE

The following is a guide only. Refer to NZBC B2/AS1 Table 1A and 2A and NZS 3602: 2003 section 108-111 inclusive. All internal and external timber framing to be treated to achieve the treatment specified in NZBC. This table is to be read in conjunction with the architectural specification for specific treatment requirements.

50 Year Durability Performance		Species	Treat
A Members in contact with the ground			
1A.1	Building piles	Radiata Pine	H5
1A.2	Plywood and timber frame foundations	Radiata Pine	H5
1A.3	Crib walling	Radiata Pine	H5
1A.4	Sawn poles	Radiata Pine	H5
1A.5	House poles	Radiata Pine	H5
1A.6	Retaining walls - uprights	Radiata Pine	H5
1A.7	Retaining walls - horizontal members	Radiata Pine	H4
B Members exposed to weather conditions and dampness but not in ground contact			
1B.1	Laminated beams	Radiata Pine	H3.2
1B.2	Laminated posts	Radiata Pine	H3.2
1B.3	Posts, bearers, beams, floor joists, rafters, guardrails, stair stringers	Radiata Pine	H3.2
1B.4	Cladding as wall bracing	Plywood	H3.2
C. Members protected from the weather but exposed to ground atmosphere			
1C.1	Jackstuds, subfloor braces, bearers, wall plates, floor joists to the subfloor blocking, subfloor wall studs, wailings and battens, wall studs and nogs, diagonal boards	Radiata Pine Douglas Fir	H1.2
1C.3	Interior flooring, suspended ground floors	Radiata Pine Douglas Fir	H1.2
D. Members protected from the weather but with a risk of moisture penetration conducive to decay			
1D.1	Roof sarking and framing not protected from solar driven moisture through absorbent cladding materials	Radiata Pine	H1.2
1D.2	Enclosed flat roof framing and associated supporting members	Radiata Pine	H1.2
1D.3	Enclosed skillion roof framing and associated members	Radiata Pine	H1.2
1D.4	Valley boards and boards supporting flashings or box gutters, and flashings to roof penetrations and upstands to roof decks	Radiata Pine	H1.2
1D.5	Wall framing and other members within or beneath a parapet	Radiata Pine Douglas Fir	H1.2
1D.6	Wall framing and other members within enclosed decks or balconies	Radiata Pine Douglas Fir	H1.2
1D.7	Cantilevered enclosed deck joists and associated framing including joist trimmers, nogs and blocking	Radiata Pine Douglas Fir	H3.2
1D.8	Wall framing and other members supporting enclosed decks or balconies	Radiata Pine Douglas Fir	H1.2
1D.10	Battens used behind cladding to form a cavity	Radiata Pine	H3.1
1D.14	All other exterior wall framing and other members including exterior and boundary joists	Radiata Pine Douglas Fir	H1.2
E. Members not exposed to weather or ground atmosphere and in dry conditions			
1E.1	All roof trusses including gable end trusses, roof, ceiling, and eaves framing, purlins and battens	Radiata Pine Douglas Fir	H1.2
1E.2	All midfloor framing excluding boundary joists but including associated ceiling framing	Radiata Pine Douglas Fir	H1.2
1E.3	Wall and roof framing (including trusses) protected from the weather in unlined and unoccupied farm buildings and outbuildings except those not allowed in 110.2 (f) of NZS 3602	Radiata Pine Douglas Fir	None
1E.5	Internal walls	Radiata Pine Douglas Fir	H1.2
1E.7	Internal flooring	Pinus species Douglas Fir	H1.2
15 Year Durability Performance			
2A.1	Weatherboards	Radiata Pine	H3.2
2A.3	Fascia, barge and coverboards	Plywood Wood based	H3.2
2A.4	Sheet cladding not providing bracing	Plywood	H3.2
2A.5	Exterior joinery including windows, frames, sills and sashes, exterior door frames, sills and doors.	Radiata Pine	H3.2
2A.7	External stairs, stair handrails and balustrades, verandah floors, unroofed decking	Radiata Pine Plywood	H3.2
B Members protected from the weather and dampness			
2B.1	Non-loadbearing (or bracing) interior wall framing	Radiata Pine Douglas Fir	H1.2
2B.2	Stair treads, risers, and handrails	Radiata Pine Douglas Fir	None

Note 1: For Structural use of other species refer to NZS 3602: 2003 Table 1 and Table 2
Note 2: For non-structural use of radiata pine, douglas fir and other species refer to NZS 3602: 2003 Table 3
Note 3: A higher treatment level also satisfies the level specified in this table.
Note 4: Refer NZS 3604: 2011 for fixing requirements

General Notes

All works shall comply with relevant Local Authority and New Zealand Building Code.

Drawings to be read in conjunction with the Resource Consent.

Drawings to be read in conjunction with the architectural specification.

Contractor to confirm all dimensions on site prior to commencing any work.

Existing building elements to be checked on site for confirmation.

Architect to deem all shop drawings satisfactory prior to construction.

All timber framing sizes nominal. All dimensions over timber framing nominal.

Contractor to verify and mark the position of all below-ground services in or adjacent to the site prior to construction beginning. Positions shown on drawings are approximate only.

Allow to provide specified tanking and aggregate drain to all below grade retaining walls to structural and hydraulic engineer's details.

Drawings to be read in conjunction with the structural drawings and specification. Refer Structural Engineer's drawings for structural element sizes and details.

Refer to services drawings for coordination of all services with building structure and all other services

Drawings to be read in conjunction with the hydraulics drawings and specification.

Refer to civil engineer's drawings for site works an stormwater details.

Drawings to be read in conjunction with the fire report. Fire consultant to check and confirms all egress provisions and egress widths. Fire rated systems- contractor to refer to manufacturer's installation instructions and specifications

Copper Based Timber Preservatives

Steel fixings and fastenings in contact with timber treated with copper-based timber preservatives (H3.2 or higher) shall be as per NZS 3604 and be a minimum of:
-Type 304 stainless steel when in contact with timber treated with Copper Azole or Alkaline Copper Quaternary (ACQ) preservatives, where used in exposed or sheltered locations.
-Hot-dipped galvanised for all other locations

Domestic Smoke Alarms

Domestic smoke alarms to be installed in accordance with NZBC C/AS1 & F7/AS1. Each Household Unit shall be provided with a minimum of a Type 1 domestic smoke alarm system in compliance with NZS 4514:2021. Refer Architectural Specification Section 7352

Smoke alarms to be installed in every sleeping space, living space and hallway within the building. Where a kitchen is separated from the living spaces and hallways by doors that can be closed, an alarm specified by its manufacturer as suitable for a kitchen shall be located in the kitchen. This may be a heat alarm to avoid nuisance activations.

These smoke alarms shall be interconnected so that when one activates, all smoke alarm devices in the household unit will sound. Smoke alarms shall be within 10m of each other in any direction.

SANITARY FIXTURE DISCHARGE UNITS AND MINIMUM DISCHARGE PIPE DIAMETER

The following is a guide only.
Refer to NZBC G13/AS1 Table 2 for more information

Sanitary Fixture	Discharge Units	Discharge Pipe Min Dia
Basin	1	40mm
Bath	4	40mm
Shower	2	40mm
WC	4	80mm
Dishwasher	3	40mm
Kitchen sink	3	40mm
Laundry tub	5	40mm
WM	5	40mm

DISCHARGE UNIT LOADING AND DISCHARGE PIPE GRADIENT

The following is a guide only.
Refer to NZBC G13/AS1 Table 4 for more information

Discharge Pipe Dia	Max Discharge Unit Load	Min Pipe Gradient
40mm	6	1:20 (2.86°)
50mm	8	1:40 (1.43°)
65mm	21	1:40 (1.43°)
80mm	16	1:60 (0.95°)
100mm	115	1:60 (0.95°)

Door Joinery Notes

Refer to floor plans for location and handing of doors.

All dimensions to be checked on site prior to commencement of manufacture.

All dimensions shown are nominal sizes only.

All works to comply with the relevant clauses of the New Zealand Building Code.

Joinery manufacturer to supply shop drawings of all joinery to architect for approval prior to manufacture.

Allow clearance for floor finish.

Refer hardware schedule for all hardware items.

Mechanical Ventilation

Ventilation to bathroom shall comply with NZBC G4/AS1 by way of mechanical extraction fan with a flow rate not less than 25L/s or in accordance with AS 1668.2 Table B1.

Finishes

Refer client for all colours and finishes

Thermal Efficiency

As availability allows, replace 2 layers of 140mm R3.2 with 2 layers of 140mm R3.6 Earthwool Glasswool to roof cavity, to increase thermal performance.

Splash zones - Plasterboard Wall Lining

Specified glass splashback required behind hob and behind and beside laundry tub in when ProRoc wall lining has been selected. In other splash zones where splashback is not specified, all ProRoc sheet linings to be finished with semi-gloss or gloss coating or a hard wearing low-sheen latex paint containing mould inhibitors. Refer architectural spec.

Kaboodle Cabinetry

Refer Kaboodle for final design of all Kaboodle cabinetry. Where noted, align top of wall with cabinetry.

Artificial Light

Interior spaces shall be provided with adequate artificial lighting which, when activated in the absence of natural light will enable safe movement of people. Illuminance at floor level shall be no less than 20 lux.

Electrical

All GPOS and switches to be placed in 90mm walls where possible.
GPO height: 600mm above Finished Floor Level unless specified
Switch height: 1000mm above Finished Floor Level

Head Trimmers and Sills

All internal walls non-loadbearing and do not require bracing.

Head trimmers for internal doors in accordance with NZS 3604:2011, Table 8.15.

Head trimmers and sills for windows in truss portal frame walls in accordance with NZS 3604:2011, Table 8.15.

Refer structural engineer's docs for gable end wall design.

Refer structural engineer's docs for bracing design.

Structural Engineering

Refer Pryda Structural Engineering documentation for bracing design, head trimmer and sill design, truss portal and wall frame fabrication and fixing infomation.

Foundations

Design and documentation for foundations, site connections and site specific requirements subject to future consent application following final site selection. Temporary foundations designed by contractor.

Very High Wind Zone

All building elements to be constructed in accordance with Very High Wind Zone parameters in NZS 3604:2011 and the NZBC. THIS BUILDING CAN BE SITED IN WIND ZONES UP TO AND INCLUDING VERY HIGH ONLY.

Exposure Zone D

All building elements to be suitable for use in all exposure zones including Exposure Zone D in NZS 3604:2011 and the NZBC.

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
General Notes

Drawing Number: 001
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

- ALL SETTING OUT, DIMENSIONS & LEVELS MUST BE VERIFIED ON SITE BEFORE COMMENCING WORK
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH RELEVENT CLAUSES OF THE SPECIFICATION
- THIS DRAWING MUST NOT BE SCALED

ROOF
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. 2/ layers 140mm H3.2 Earthwool Glasswool Wall Insulation Segments friction fit between truss portals. Option to increase thermal efficiency: As availability allows, install 2/layers of 140mm R3.6 Earthwool Glasswool to roof cavity

CORRUGATE:
Amorsteel 18mm UltraZen prefinished 0.40mm BMT corrugated steel roofing fixed thru 10mm Vent VB10 ventilating batten over Thermakraft Covertek 407 roofing underlay on 90x45 timber purlins on their flat at 900cts max. Fixing Type in accordance with NZS 3604:2011. Install roof in accordance with NZMRM Code of Practice. Allow to apply snowload factor as applicable.

SOFFIT
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation

OPTION 1 SHIPLAP:
90x45 solid nogging at 480cts max between portals. Vent VB20 cavity battens fixed horizontally through to each nog. Humpine Pineclad TMT vertical shiplap weatherboard cladding with 2/layers of factory applied oil finish. Soffit flashing to wall junction.

FLOOR
H1.2 90x45 truss portal frames at 600cts max in accordance with engineer's documentation. 2/ layers 140mm H3.2 Earthwool Glasswool Wall Insulation Segments friction fit between portals held in place against plywood with insulation straps.

SIDE 1 PLYWOOD:
Humepine 21mm tongue and groove plywood flooring fixed to portal frames. HanWood Rigid Vinyl Plank floating floor over with 10mm expansion gap to perimeter (dry areas) held in place with skirting boards.

SIDE 2 DURASHEEET:
4.5mm Innova Durasheet fibre cement sheet cladding fixed to underside of truss portals to create a closed environment. Durasheet cladding required throughout including the underside of the wingwalls.

DECK
H1.2 90x45 truss portal frames (TH-AS2) with 240x45 H3.2 bottom chord at 600cts max in accordance with engineer's documentation. Stainless steel fixing plates. Saddle flashings to Joist/wall transition, allow for folder flange to outer-most saddle flashing. 90x45 H3.2 deck joists at 400 cts max.

OPTION 1 KWILA:
140x19 Specrite Kwila hardwood decking boards screw fixed to deck joists . Clear finish to decking boards. Ribbed face up.

Uncoated profiled decking in across profile is an acceptable solution for a walking surface on approach to the main entry in accordance with Table 2 D1/AS1.

WALL CLADDING A
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. 9mm Kronospan OSB RAB board fixed in accordance with structural engineer's documentation. All sheet joins fixed over solid framing. RAB board overfixed with Thermakraft Watergate Plus building wrap, installed in accordance with manufacturer's installation documentation.

OPTION 1 LINEAR 800:
14.9mm 0.55BMT Amorsteel Linear 800 UltraZen prefinished vertical metal profiled sheet cladding over Vent VB20 cavity battens fixed horizontally at 1200cts max. VB20 run continuously horizontally at base of cladding, and window/ door heads as cavity closer & vermin proofing. Cladding pan fixed though cavity batten to solid nogging in accordance with manufacturer's documenation, allow to align with RAB horizontal sheet join where possible.

WALL CLADDING B
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. Provide nogging as required for cladding type. 9mm Kronospan OSB RAB board fixed in accordance with structural engineer's documentation. All sheet joins fixed over solid framing. RAB board overfixed with Thermakraft Watergate Plus building wrap installed in accordance with manufacturer's installation documentation.

OPTION 1 SHIPLAP:
90x45 solid nogging at 480cts max between portals. Vent VB20 cavity battens fixed horizontally through to each nog. Fix Humpine Pineclad TMT vertical shiplap weatherboard cladding with 2/layers of factory applied oil finish in accordance with manufacturer's installation manual.

WALL LINING
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. Nog only as required for fixing.
OR (internal non-loadbearing walls): H1.2 90x45 studs at 600cts with 2/rows of nogs at 1350 cts max. Allow additonal nogging for grab rails, towel rails, toilet roll holders etc. 140x35 or 190x35 top plate fixed to nogs at 600cts between truss portal frames. 90x45 bottom plate fixed to 90x45 nogs at 600cts between truss portal frames.

OPTION 1 PROROC:
10mm ProRoc Standard Board installed as per manufacturer's installation guide. 10mm ProRoc Moisture Resistant Board to wet areas. L4 paint finish. 90x10mm solid timber pre-primed skirting boards, 40x10mm solid timber pre-primed architraves, paint finish. Refer client for colour.

CEILING LINING
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation.

OPTION 1 PLYWOOD:
9mm Tigerline Okoume plywood ceiling lining fixed thru 70x35 ceiling battens at 400cts, solid nogging behind all joins. Allow 5mm max negative to plywood sheets joins. Thermakraft Premium Joining Tape behind joins for airtightness. 10mm shadowline to junction of ProRoc wall lining and plywood ceiling. Clear finish. 10mm ProRoc Moisture Resistant plasterboard ceiling to wet areas square stopped to wall. L4 Paint finish.

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
General Notes

Drawing Number: 002
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

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3 Structure

3820.4.1 Wildboar Multifix 125 Bracket
Refer Surefoot Multifix documentation

3820.4.2 125x125 H5 SG8 Timber Piles
No pile shall be cut off closer than 300mm to finished ground. This distance may be reduced to 150mm where a DPC is placed between the pile and framing timbers and overlaps these timbers by 6mm min. Crawl space of 450mm shall be provided from finished ground level to underside of floor truss but does not require all timbers to be 450mm or more above ground. Refer str eng docs for max pile height.

3820.4.3 190x90 H3.2 SG8 Timber Bearer
Perminter bearers notched into pile no more than 25mm. Bearer fixed to pile with 12kN connection or M12 bolt and 50x50x3mm washers. Head ans washer recessed into bearer to allow RAB board to pass over. Central bearer fixed to top of pile with 6kN connection in each direction.

3820.4.4 90x45 H1.2 SG8 Timber Truss Portal Frame. Refer Str Eng docs
Galvanised press plated engineered portal frame at 600cts max. Refer Truss House and Pryda

3820.4.5 90x45 H1.2 SG8 Timber Purlins
Purlins on flat fixed to top chord of truss portals at 900cts max

3820.4.6 90x45 H1.2 SG8 Timber Solid Nogging
Solid nogging between truss portals at centres to suit cladding. Refer architectural spec for cladding setout requirements . Do not stagger nogs

3820.4.7 70x35 H1.2 SG8 Timber Ceiling Batten
Ceiling battens at 600ts max

3820.4.8 90x45 H3.2 SG8 Timber Deck Joists
Joists fixed to 240x45 truss portal joist at 400 cts mzx

3820.4.9 2/190x45 H3.2 SG8 Timber Boundary Joist

3820.4.10 140 X 45 H1.2 SG8 Gable End Frame. Refer Str Eng docs

4 Enclosure

4161T.4.1 Thermakraft Supercourse 500 DPC

4161T.4.2 Thermakraft Thermathene Black DPM

4161T.4.3 Thermakraft Watergate Plus wall underlay
Fixed over RAB board in accordance with manufacturer's installation guide

4161T.4.4 Thermakraft Covertek 407 Roofing underlay
Fixed in accordance with manufacturer's installation guide.

4161T.4.10 Thermakraft Thermaflash Flashing tape
Flashing tape continous to sill and 200mm up jambs. Butterfly strip required behind in absence of Thermakraft corner moulds. Second layer of flashing tape to entire length of sill. Flashing tape with butterfly strips to top corners of opening, 200mm across lintel and down jambs. Flashing tape may be used to seal the upstand of head flashings to building wrap.

4165DV.4.1 Drispace Vent VB20 45x20mm ventilated wall cavity batten
VENT VB20 Battens can be installed continuously in a horizontal orientation and can be used as a cavity closer.

4165DV.4.2 Drispace Vent VB10 45x10mm ventilation and drainage roof batten
VENT VB10 Ventilation & Drainage Roof Batten is designed as a non-structural roof batten, suitable for use with profiled metal roof cladding. Install over the roof underlay under the roof cladding.

4165DV.4.4 Drispace Vent G1275 Eaves Comb Filler
VENT G1275 to be used with profiled roof cladding at fascia to prevent bird or insect entry

4165DV.4.5 Drispace Vent RV10P Ridge Vent
VENT RV10P Suitable for use with profiled metal roof cladding, install between the roof cladding and ridge flashing.

4165DV.4.6 Drispace Vent G2500N Over Fascia Vent
VENT G2500N

4171.4.1 Kronospan OSB3 Rigid Air Barrier board
2400/2700x1200x9mm sheets fixed to truss portal frame walls in accordance with Kronobuild installation manual. Flexible wall underlay must be installed within 30 days. All sheet joins to have 2-3mm expansion gap, fixed over solid framing.

4221.4.1 Humepine Pineclad TMT Vertical Shiplap Cladding
Shiplap boards fixed with rose head nails- 75 or 90 mm x 3.15 mm s/ steel (annular grooved). Single mid-fixed board to each nog, nogs at max 480 crs. Fixings at a 2º angle. Fixings to be min 40 mm from end of board. 3- 5 mm gap between boards. Boards supplied with dual coat of factory applied oil stain finish. Ensure cut ends of all boards are coated on site before fixing. Refer manufacturer's installation documentation

4231BS.4.1 Innova 4.5mm Durasheet Fibre Cement Sheet
Direct fixed to underside of truss portals including wingwalls to create a 'closed' environment.

4231BS.4.2 Innova 9mm Duragroove Fibre Cement Sheet Cladding
Nogs at 800cts not required. Duragroove sheet adhered to battens with cont. 6mm bead of Bostik Seal 'N' Flex FC. Duragroove sheet mechanically fixed at 150mm centres to perimeter of sheet and intermediate vertical batten in accoradnce with Innova Installation manual. All cut edges sealed before fixing. Paint finish

4231BS.4.3 Innova 20x45mm H3.1 cavity batten
Fixed vertically to each portal frame. Structurally fixed at cladding sheet joins. 20x70mm battens may also be used. Refer Innova Installation manual.

4231BW.4.1 Innova 12mm Stratum Duo Vertical Plank Cladding
Stratum plank nail fixed to structural cavity battens in accordance with Innova Installation manual. 65 x 2.87mm Roundrive ring shank nails- apply one nail to the concealed lap section and one nail to the face of Stratum approx. 3/4 of the width of the plank from the lap nail. A small bead of Bostik Seal 'N' Flex FC must be run down the vertical lap prior to the next board being installed. Fixings in accordance with Very High Wind Zone and Exposure Zone D. All cut edges sealed before fixing. Paint finish

4231BW.4.2 70x45mm H3.1(min) horizontal castellated structural cavity batten
Nogs at 600cts not required. Structural cavity battens horizontally fixed at 600cts to truss portals. Horizontal Batten must be structurally fixed to portal frames fixed with Roundrive Ring Shank Nails or Jolt Head Nails at maximum 600mm centres. Refer Innova installation manual

4234P.4.1 Palliside H3.1 20x45 structurally fixed vertical cavity battens
Structurally fixed to each truss portal (600mm max) in accordance with Palliside Drained Cavity Installation Guide. Fixings in accordance with Very High Wind Zone and Exposure Zone D

4234P.4.2 Vent VB20 cavity closer and vermin proofing
Continuous horizontally at base of cladding, and window/door heads.

4234P.4.3 Palliside uPVC Traditional Weatherboard Cladding
Palliside horizontal weatherboards fixed over structurally fixed vertical cavity battens at 600cts in accordance with Exposure Zone D and VH Wind Zone requirements. Allow for 8m lengths to long elevations. Palliside Two-Part Jointer fixed to portal frame to vertical joins. Downpipe to cover join. Palliside window scribers and corner soakers to all external corners. Colour to match cladding. Refer client for colour selection.

4241A.4.1 Vent VB20 cavity batten cavity closer and vermin proofing.
Horizontal cavity battens fixed through solid nogging (allow to align with RAB board nogs) at 1200cts max. Fixings in accordance with VH Wind Zone and Exposure Zone D.

4241A.4.2 Amorsteel UltraZen 0.55mm BMT vertical Linear 800 profiled cladding
Pan fixings 12-11x55 Class 4 Type 17 or universal screws with neoprene seals. Fasteners to have a minimum embedment into structural timber of 30mm at 1200cts max. Fixings in accordance with Very High Wind Zone and Exposure Zone D. Refer client for UltraZen colour.

4311A.4.1 Armorsteel UltraZen 0.4mm BMT corrugate profiled roofing
Crest fixings 12-11x65 Class 4 Type 17 or universal screws with neoprene seals. Fasteners to have a minimum embedment into structural timber of 30mm. 4/ fasteners per sheets in accordance with VH wind zone parameters. Fixings in accordance with Exposure Zone D. Refer client for UltraZen finish colour

4383.4.1 Radiata Pine 138x32mm H3.2 Griptread premium decking. Grooves up
Decking boards screw fixed to 90x45 H3.2 deck joists at 400 cts max. Clear finish to decking boards. Ribbed face up.

4383H.4.1 Humepine 135x27 Pineclad thermally modified timber decking. Grooves up
Humepine TMT decking boards screw fixed to 90x45 H3.2 deck joists at 400 cts max. 2/coats factory applied WOCA oil stain finish to decking boards. Ribbed face up.

4383K.4.1 Specrite 140x19mm FSC Kwila Griptread hardwood decking. Grooves up
Decking boards screw fixed to 90x45 H3.2 deck joists at 400 cts max. Clear finish to decking boards. Ribbed face up.

4521FT.4.5 Fairview Thermal Series awning window TL40
Profile used with Linear 800 cladding. Powdercoat finish

4521FT.4.6 Fairview Thermal Series open out hinged door TL40
Profile used with Linear 800 cladding. Powdercoat finish

4521FT.4.7 Fairview Thermal Series sliding door TL40
Profile used with Linear 800 cladding and All cladding type B (Sliding Door to deck). Allow to adjust rough opening width to suit cladding. Powdercoat finish

4521FT.4.8 Fairview Thermal Series awning window TL40+
Profile used with Palliside and Stratum cladding types. Powdercoat finish

4521FT.4.9 Fairview Thermal Series open out hinged door TL40+
Profile used with Palliside and Stratum cladding types. Powdercoat finish

4521FT.4.10 Fairview Thermal Series sliding door TL40+
Profile used with Palliside and Stratum cladding types. Powdercoat finish

4521FT.4.11 19mm min solid timber or plywood reveals - paint finish
Do not return skirting into full height openings

4521FT.4.17 Expanding foam air seal

4521FT.4.18 Air seal on backing rod, packer as required

4521FT.4.19 Fairview Thermal Series open out hinged door TL40
Profile used with Linear 800 cladding. Powdercoat finish

4521FT.4.20 Air seal on backing rod

4710EW.4.1 2/ 140mm R3.2 Earthwool Glasswool Wall Segments insulation
Allow min 25mm clearance between the top of the insulation and the roofing underlay. Sections friction fit between truss portals. Still air gap to outside.

4710EW.4.2 140mm R3.2 Earthwool Glasswool Wall Segments insulation
Sections friction fit between framing.

4821.4.1 0.55mm BMT prefinished folded ventilated ridge flashing to match roofing

4821.4.2 0.55mm BMT prefinished folded barge flashing to match roofing
Provide VENT VB20 packers to align top of barge flashing with ridge flashing adjacent.

4821.4.3 0.55mm BMT 2-piece prefinished folded wingwall flashing to match roofing
External flashing bonded to internal 2/ 0.55mm BMT top-hat sections with heavy VHB double sided tape or MS sealant. Once external flashings have been dry-fit to gable end, remove and install internal flashing. Lay on flat surface and apply even pressure until bond has cured. Mechanically fix 2-part flashing to gable end with EPDM washer flathead screws through pre-drilled oversized holes. Allow each wingwall flashing to expand and contract independently from each other.

5 Interior

5113.4.1 10mm ProRoc Standard Board - Walls
1200 x 2400/2700mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboartd adhesive at 300cts to intermediate truss portal leg or stud. Refer ProRoc Installation guide

5113.4.2 10mm ProRoc Standard Board - Ceiling
1200 x 2400/2700mm plasterboard sheets fixed to ceiling battens at 400cts. Use min 6g 32mm high thread plasterboard screws at 600mm centres at the edges and centre of the sheet across the batten. Install fixings not closer than 18mm from cut edges and 12mm from paper bound edges. Place daubs of plasterboard adhesive at 300mm centres to intermediate battens. Do not place plasterboard adhesive at sheet edges or within 200mm of fasteners. Refer ProRoc Installation guide

5113.4.3 10mm ProRoc Moisture Resistant Board - Walls
1200 x 2400mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboard adhesive at 300cts to intermediate truss portal leg. When used as a substrate for tiling screws must be at 100mm cts to perimeter and centre of board up to tile height. Do not use adhesive behind board where tiles will be laid. Refer ProRoc Installation guide

5113.4.4 10mm ProRoc Moisture Resistant Board - Ceiling
1200 x 2400/2700mm plasterboard sheets fixed to ceiling battens at 400cts. Use min 6g 32mm high thread plasterboard screws at 600mm centres at the edges and centre of the sheet across the batten. Install fixings not closer than 18mm from cut edges and 12mm from paper bound edges. Place daubs of plasterboard adhesive at 300mm centres to intermediate battens. Do not place plasterboard adhesive at sheet edges or within 200mm of fasteners. Refer ProRoc Installation guide

5113.4.7 Goldline Reveals stopping bead
10mm negative between plasterboard and plywood. Thermakraft Premium Joining tape behind junctions for airtightness.

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Keynotes-1

Drawing Number: 003
Revision: 02

Revision History:

02	For Consent	28/10/26

Project Number: OPP-31903187

- ALL SETTING OUT, DIMENSIONS & LEVELS MUST BE VERIFIED ON SITE BEFORE COMMENCING WORK
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH RELEVENT CLAUSES OF THE SPECIFICATION
- THIS DRAWING MUST NOT BE SCALED

5 Interior

5122.4.2 **9mm Keyland Tigerline FSC Okoume plywood ceiling lining - clear finish**
2700/2400 x 1200 x 9mm panels fixed to 70 x 35mm ceiling battens at 400cts running perpendicular to truss portals. Solid nogging behind all plywood joins. Ridge and knee junctions taped with Thermakraft Premium Joining tape for airtightness. 10mm shodowline between ProRoc plasterboard walls and plywood ceiling. Grain to follow ridge. Staggered sheet join set-out. Clear finish. Plywood ceiling not suitable for wet areas. Moisture Resistent ProRoc plasterboard ceiling to wet areas, L4 paint finish, square stopped to walls.

5137HP.4.1 **7.6mm Hydrapanel wall lining**
1200x3000 and 1200x2400 sheets fixed vertically. FLUSHfit jointers to vertical sheet joins and internal corners. Hydrapanel aluminium Techno Trim to ceiling transition to align with horizontal sheet joins throughout. Thermakraft Premium Joining Tape behind wall/ceilng transition for airtightness. Hydrapanel aluminium Techno Trim to ceiling-wall junction, external corners and horizontal join- powdercoat finish. Refer Hydrapanel details.

5137HP.4.2 **7.6mm Hydrapanel ceiling lining**
Woodgrain pattern to follow the ceiling pitch. Staggered sheet join pattern, refer reflected ceiling plan. FLUSHfit jointers to all sheet joins, allow to cut chase in short lengths to suit. Align joins with wall. Hydrapanel aluminium Techno Trim to ridge and ceiling-wall junctions. Thermakraft Premium Joining Tape behind for airtightness. Set out ceiling battens to suit panel joins- 450 cts max.

5151.4.1 **Humepine Pinetrim Plus 90x10 single bevel skirting - paint finish**

5151.4.2 **Humepine Pinetrim Plus 40x10 single bevel architrave - paint finish**

5430.4.1 **Humepine 21mm H3.2 tongue and groove plywood flooring**
Refer Architectural Spec

6 Finish

6411.4.1 **6mm HanWood Hybrid RVP with 2mm EVA foam backing**
179 x 1230 x 6mm Rigid Vinyl Plank with self adhered underlay floating floor. Allow 10mm expansion gap to perimeter in dry areas. No expansion gap to wet areas. Wet areas to be perimeter sealed with bathroom grade silicone sealant. Kitchen joinery units to be installed before HanWood flooring laid. Hanwood flooring to extend underneath kitchen kicktoes. Skirting boards to cover expansion gap and hold down flooring. Allow proprietary expansion join underneath bedroom door(s).

7 Services

7120.4.10 **Rheem MPVE HWC on safe tray with seismic restraint.**
Refer HWC installation details. Refer Architectural Spec for size. Relief valve shall discharge in a position which does not present a hazard or damage to to other building elements (except when used in association with free oultet storage water heaters).

7150.4.1 **Mondella Concerto Toilet**
Refer architectural spec. Refer Bunnings FF&E Schedule.

7150.4.2 **Stein 500 Wall Hung Handleless Vanity**
Refer architectural spec. Refer Bunnings FF&E Schedule.

7150.4.3 **Stein 1200 Wall Hung Handleless Vanity Base**
Refer architectural spec. Refer Bunnings FF&E Schedule.

7150.4.4 **Stein 1200 Single Basin Vanity Top**
Refer architectural spec. Refer Bunnings FF&E Schedule.

7150.4.5 **Greens surface mounted basin mixer**
Refer architectural spec. Refer Bunnings FF&E Schedule.

7150.4.6 **Newline Proprietary Alcove Shower Cubicle**
1200x900 acrylic shower tray with glass shower screen and hinged door. Tray required to be packed out from wall framing with additional layer of lining- refer details. Refer architectural spec. Refer Bunnings FF&E Schedule.

7150.4.7 **Greens Shower Mixer and Slide**
Refer architectural spec. Refer Bunnings FF&E Schedule.

7150.4.8 **SS Overmount Kitchen Sink into Kaboodle laminate bench top**
Refer architectural spec. Refer Bunnings FF&E Schedule.

7150.4.9 **ss Overmount Laundry Tub into Kaboodle laminate bench top**
Refer architectural spec. Refer Bunnings FF&E Schedule.

7150.4.11 **Everdure 450 Dishwasher**
Refer architectural spec. Refer Bunnings FF&E Schedule

7150.4.12 **Everdure Washing Machine**
Refer architectural spec. Refer Bunnings FF&E Schedule

7150.4.13 **Toilet Roll Holder**
Refer architectural spec. Refer Bunnings FF&E Schedule

7150.4.14 **Hand Towel Rail**
Refer architectural spec. Refer Bunnings FF&E Schedule

7150.4.15 **Stein Recessed Mirror Cabinet**
Refer architectural spec. Refer Bunnings FF&E Schedule

7150.4.16 **600 Heated Towel Rail**
Refer architectural spec. Refer Bunnings FF&E Schedule

7352.4.1 **Type 1 Inter-connected smoke alarm**
Suited for bedrooms and hallway. Refer architectural spec

7352.4.2 **Type 1 Inter-connected heat alarm**
Suited for Kitchen, bathroom and laundry. Refer architectural spec

7411MA.4.1 **Marley white uPVC or coloured Stratus spouting**
Fixed to folded metal fascia with Marley M4 20mm Metal Fascia Screws. Intenal or external brackets to provide 10mm clearance between fascia. Refer Marley Installation Guide. Refer client for profile selection. Min cross-sectional area 4000mm2.

7411MA.4.2 **Marley round white uPVC or coloured Stratus downpipe RP65/ RP80**
RP65 suitable for roof plan area up to 60sqm. 2-Part Marley adjustable clips or saddle clips to suit cladding. Allow to install Marley Twist diverter - refer client.

7612.4.1 **Everdure 52cm Undermount Rangehood**
Ducted through wall with proprietary weatherproof cowl. Refer architectural spec. Refer Bunnings FF&E Schedule

7612.4.2 **Bathroom - ceiling mounted fan ducted to wall**
Ducted through wall with proprietary weatherproof cowl. Refer architectural spec. Refer Bunnings FF&E Schedule

7612.4.3 **WC - ceiling mounted fan ducted to wall**
Ducted through wall with proprietary weatherproof cowl. Refer architectural spec. Refer Bunnings FF&E Schedule

7612.4.5 **Manrose 80mm Calma Acoustic Passive Vent Kit - Through wall round fascia with Typhoon Cowl**
Refer architectural spec

7673.4.1 **Carrier Allure Spilt Unit Heat Pump. All pipework concealed within walls. Indicative location only**
Refer architectural spec for model. Allow to relocate to suit site requirements. Allow for wall mounting brackets.

7701.4.11 **Everdure 60cm Built-in oven**
Refer architectural spec. Refer Bunnings FF&E Schedule

7701.4.12 **Everdure 60cm Touch Ceramic Hob**
Refer architectural spec. Refer Bunnings FF&E Schedule

7701.4.13 **Everdure Dryer**
Wall mounted or on proprietary stacking kit. Refer architectural spec. Refer Bunnings FF&E Schedule

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Keynotes-2

Drawing Number: 004
Revision: 02

Revision History:

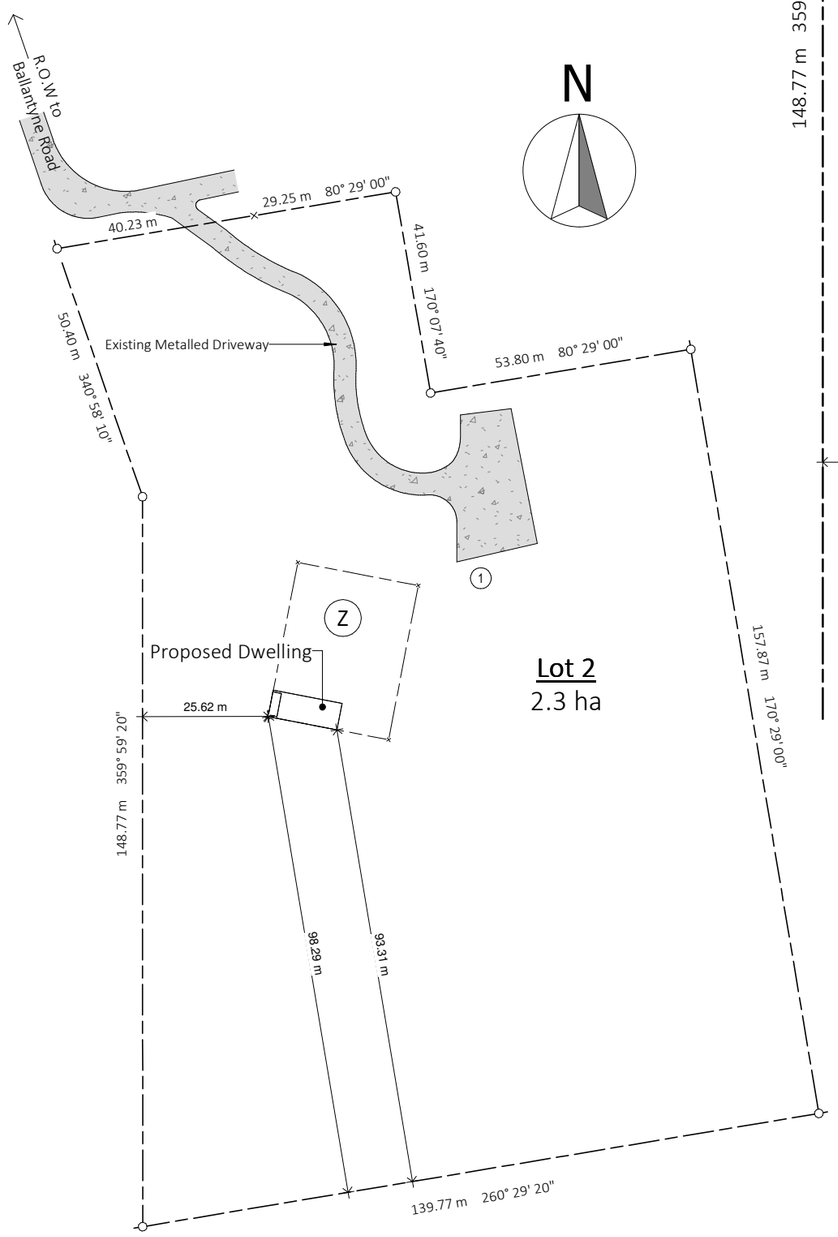
02	For Consent	28/10/26

Project Number: OPP-31903187

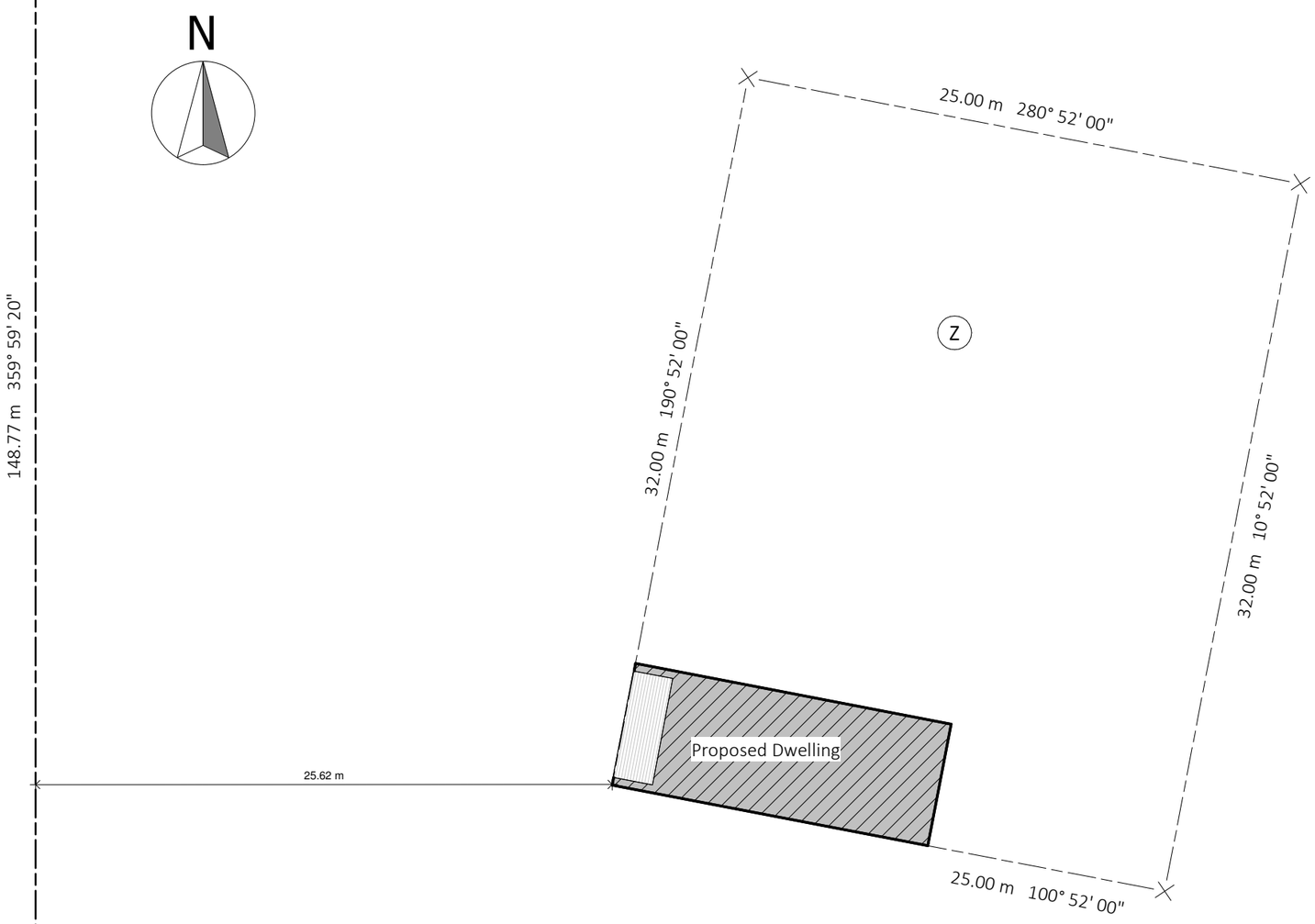
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Plan Notes

1 min 45,000 L Water Tanks required, dedicated for fire fighting. Site Access, Hardstand area and Connection coupling to be in accordance with FENZ and Consent Notice



1 Location Plan
Scale 1 : 1250



2 Site Plan
Scale 1 : 250

SITE NOTES:

VERY HIGH WIND ZONE
ALL BUILDING ELEMENTS TO BE CONSTRUCTED IN ACCORDANCE WITH VERY HIGH WIND ZONE PARAMETERS IN NZS 3604:2011 AND THE NZBC.
THIS BUILDING CAN BE SITED IN WIND ZONES UP TO AND INCLUDING VERY HIGH ONLY.

EXPOSURE ZONE D
ALL BUILDING ELEMENTS TO BE SUITABLE FOR USE IN ALL EXPOSURE ZONES INCLUDING EXPOSURE ZONE D IN NZS 3604:2011 AND THE NZBC.

Easement Schedule

Z	Land Covenant with respect to a building platform

Planning Notes:

Territorial Authority:	=	QLDC
Planning Zone:	=	Rural
Max Height:	=	5.5m
Height in relation to Boundary	=	n/a
Site Cover:	=	2.195872
Yards:		%
Front:	=	15.0m
Garage:	=	n/a
Side/Rear:	=	15.0m
Outdoor Living Area:	=	n/a
Outdoor Service Area:	=	n/a
Flood Zone:	=	No

Site Info:

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

SITE AREA	=	22770 m²
WIND ZONE	=	VERY HIGH
EARTHQUAKE ZONE	=	THREE
DURABILITY	=	B
SNOW ZONE	=	N5 (2 kPa)

Site Coverage:

Maximum site coverage allowed	=	2.195872 %
SITE COVERAGE	=	500.00
Area o/frame (including Deck)		78.56 m²
Total Area		78.56 m²
TOTAL SITE COVERAGE	=	**0.35 %**

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Site Plan

Drawing Number: A201
Revision: 02

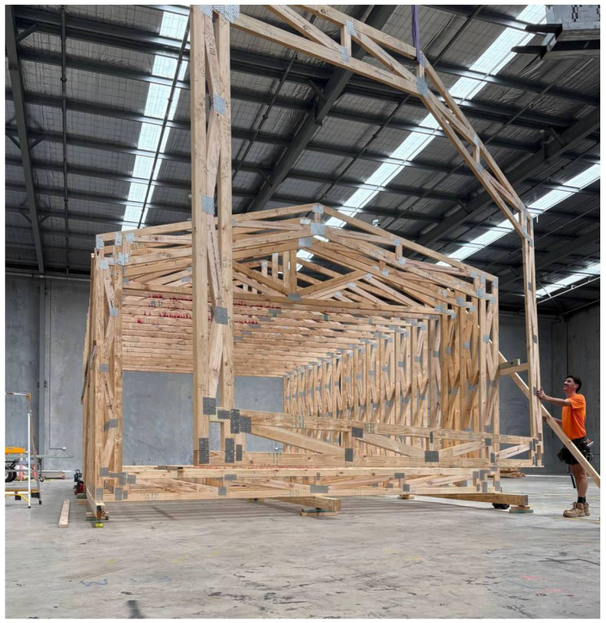
Revision History:

02	For Consent	28/10/26

Project Number: OPP-31903187

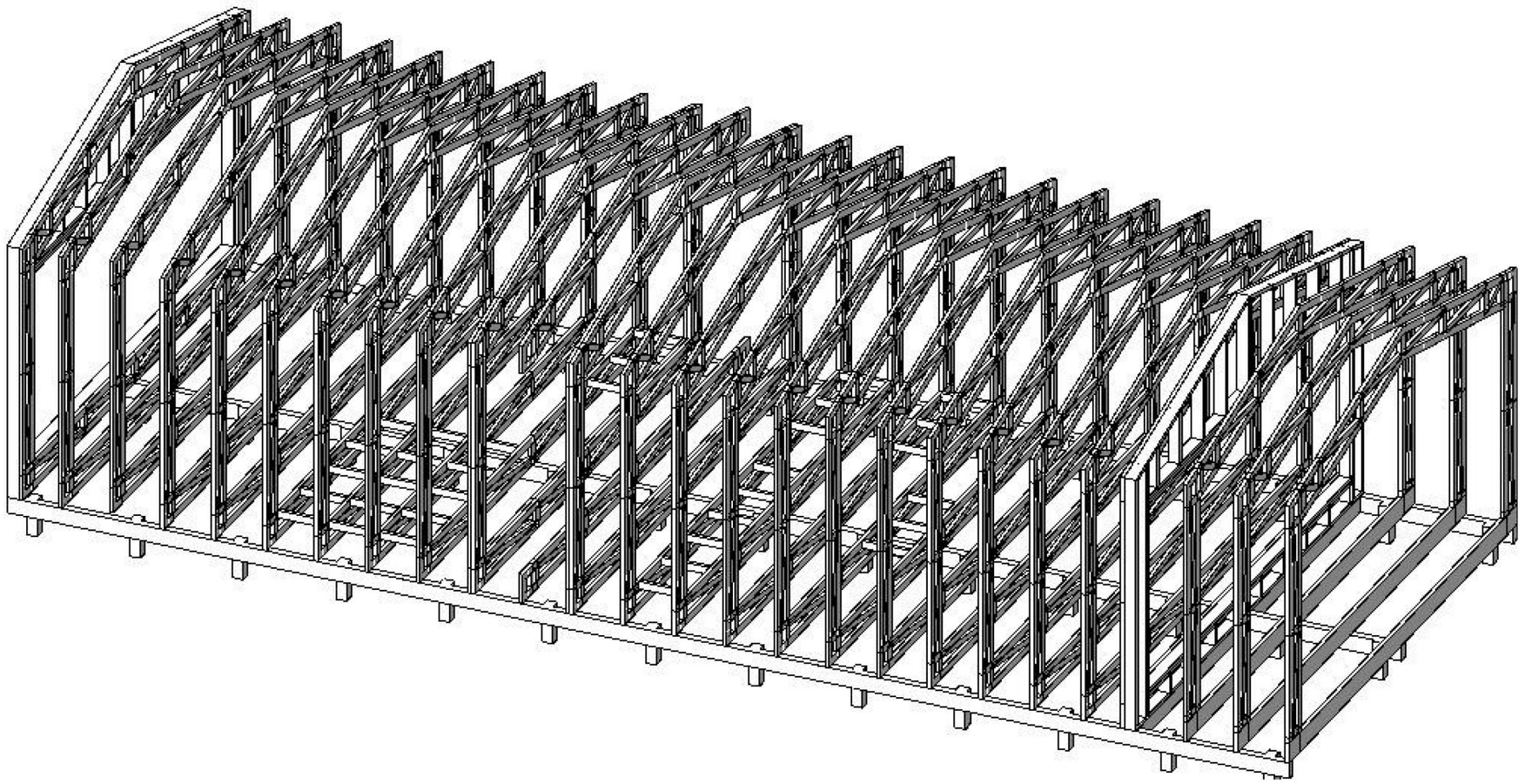
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1
-
Images of truss portal construction for information



2
-
Truss Portal Axonometry

Structural Engineering
Refer Pryda Structural Engineering documentation for bracing design, head trimmer and sill design, truss portal and wall frame fabrication and fixing infomation.

Head Trimmers and Sills
All internal walls non-loadbearing and do not require bracing.

Head trimmers for internal doors in accordance with NZS 3604:2011, Table 8.15.

Head trimmers and sills for windows in truss portal frame walls in accordance with NZS 3604:2011, Table 8.15.

Refer structural engineer's docs for gable end wall design.

Refer structural engineer's docs for bracing design.

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Truss Portal Axonometry and Photos

Drawing Number: A202
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

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DECK
H1.2 90x45 truss portal frames (TH-AS2) with 240x45 H3.2 bottom chord at 600cts max in accordance with engineer's documentation. Stainless steel fixing plates. Saddle flashings to Joist/wall transition, allow for folder flange to outer-most saddle flashing. 90x45 H3.2 deck joists at 400 cts max.

OPTION 1 KWILA:
140x19 Specrite Kwila hardwood decking boards screw fixed to deck joists . Clear finish to decking boards. Ribbed face up.

Uncoated profiled decking in across profile is an acceptable solution for a walking surface on approach to the main entry in accordance with Table 2 D1/AS1.

4383K.4.1 Specrite 140x19mm FSC Kwila Griptread hardwood decking. Grooves up
Decking boards screw fixed to 90x45 H3.2 deck joists at 400 cts max. Clear finish to decking boards. Ribbed face up.

4383H.4.1 Humepine 135x27 Pineclad thermally modified timber decking. Grooves up
Humepine TMT decking boards screw fixed to 90x45 H3.2 deck joists at 400 cts max. 2/coats factory applied WOCA oil stain finish to decking boards. Ribbed face up.

4383.4.1 Radiata Pine 138x32mm H3.2 Griptread premium decking. Grooves up
Decking boards screw fixed to 90x45 H3.2 deck joists at 400 cts max. Clear finish to decking boards. Ribbed face up.

FLOOR
H1.2 90x45 truss portal frames at 600cts max in accordance with engineer's documentation. 2/layers 140mm H3.2 Earthwool Glasswool Wall Insulation Segments friction fit between portals held in place against plywood with insulation straps.

SIDE 1 PLYWOOD:
Humepine 21mm tongue and groove plywood flooring fixed to portal frames. HanWood Rigid Vinyl Plank floating floor over with 10mm expansion gap to perimeter (dry areas) held in place with skirting boards.

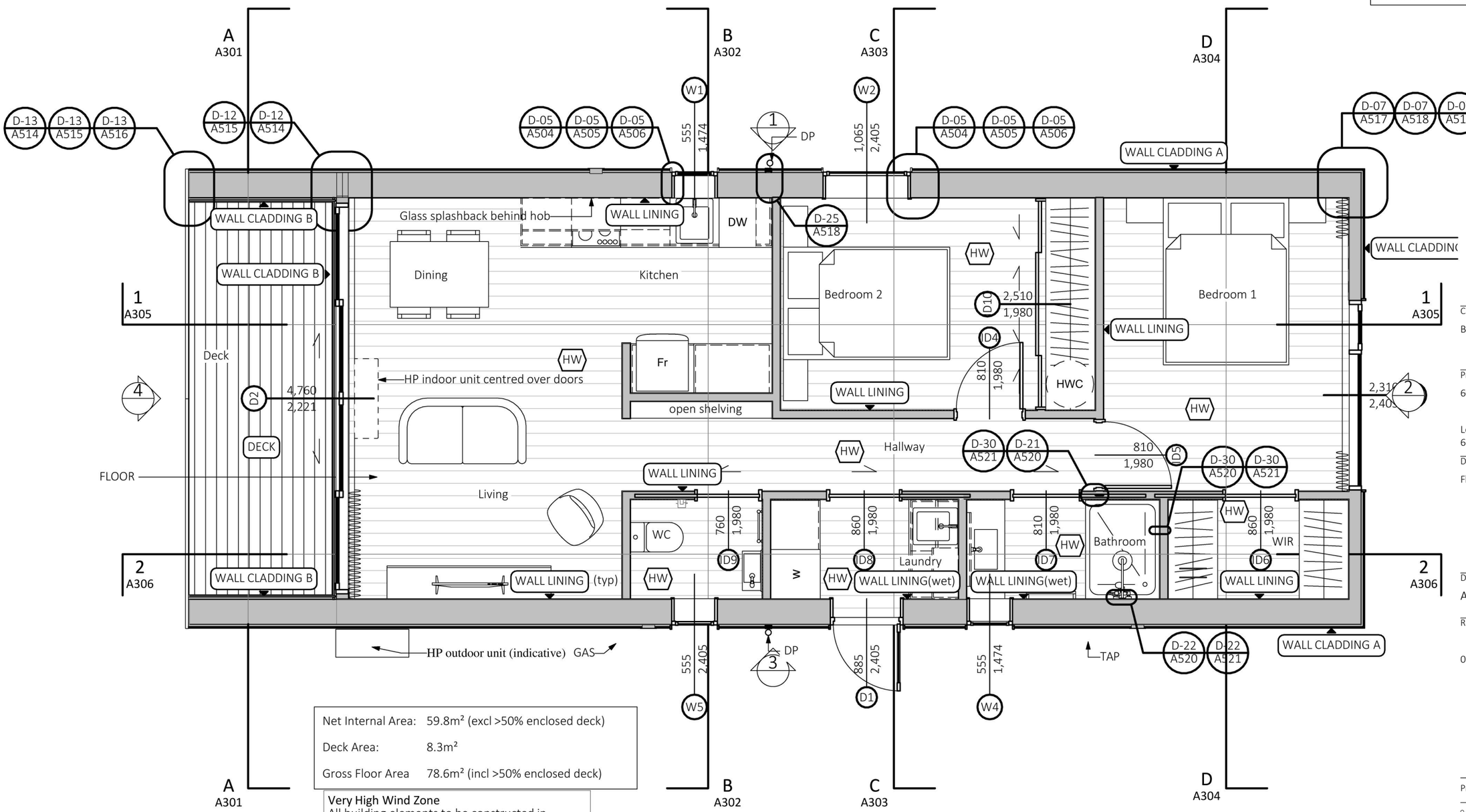
SIDE 2 DURASHEEET:
4.5mm Innova Durasheet fibre cement sheet cladding fixed to underside of truss portals to create a closed environment. Durasheet cladding required throughout including the underside of the wingwalls.

5430.4.1 Humepine 21mm H3.2 tongue and groove plywood flooring
Refer Architectural Spec

4231BS.4.1 Innova 4.5mm Durasheet Fibre Cement Sheet
Direct fixed to underside of truss portals including wingwalls to create a 'closed' environment.

HW 6mm HanWood Hybrid RVP with 2mm EVA foam backing
179 x 1230 x 6mm Rigid Vinyl Plank with self adhered underlay floating floor. Allow 10mm expansion gap to perimeter in dry areas. No expansion gap to wet areas. Wet areas to be perimeter sealed with bathroom grade silicone sealant. Kitchen joinery units to be installed before HanWood flooring laid. Hanwood flooring to extend underneath kitchen kicktoes. Skirting boards to cover expansion gap and hold down flooring. Allow proprietary expansion join underneath bedroom door(s).

FINISHES
Refer client for all colours and finishes



Net Internal Area:	59.8m² (excl >50% enclosed deck)
Deck Area:	8.3m²
Gross Floor Area	78.6m² (incl >50% enclosed deck)

Very High Wind Zone
All building elements to be constructed in accordance with Very High Wind Zone parameters in NZS 3604:2011 and the NZBC. THIS BUILDING CAN BE SITED IN WIND ZONES UP TO AND INCLUDING VERY HIGH ONLY.

Exposure Zone D
All building elements to be suitable for use in all exposure zones including Exposure Zone D in NZS 3604:2011 and the NZBC.

1 #LayID
Ground Floor Plan
Scale 1:50

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Floor Plan

Drawing Number: A203
Revision: 02

Revision History:

02	For Consent	28/10/26

Project Number: OPP-31903187

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Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Presentation Images

Drawing Number:	Revision:
A204	02

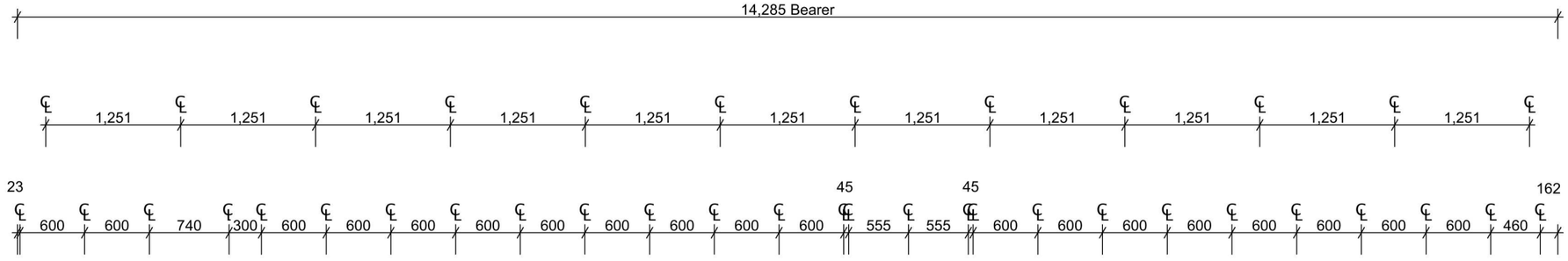
Revision History:

02	For Consent	28/10/26

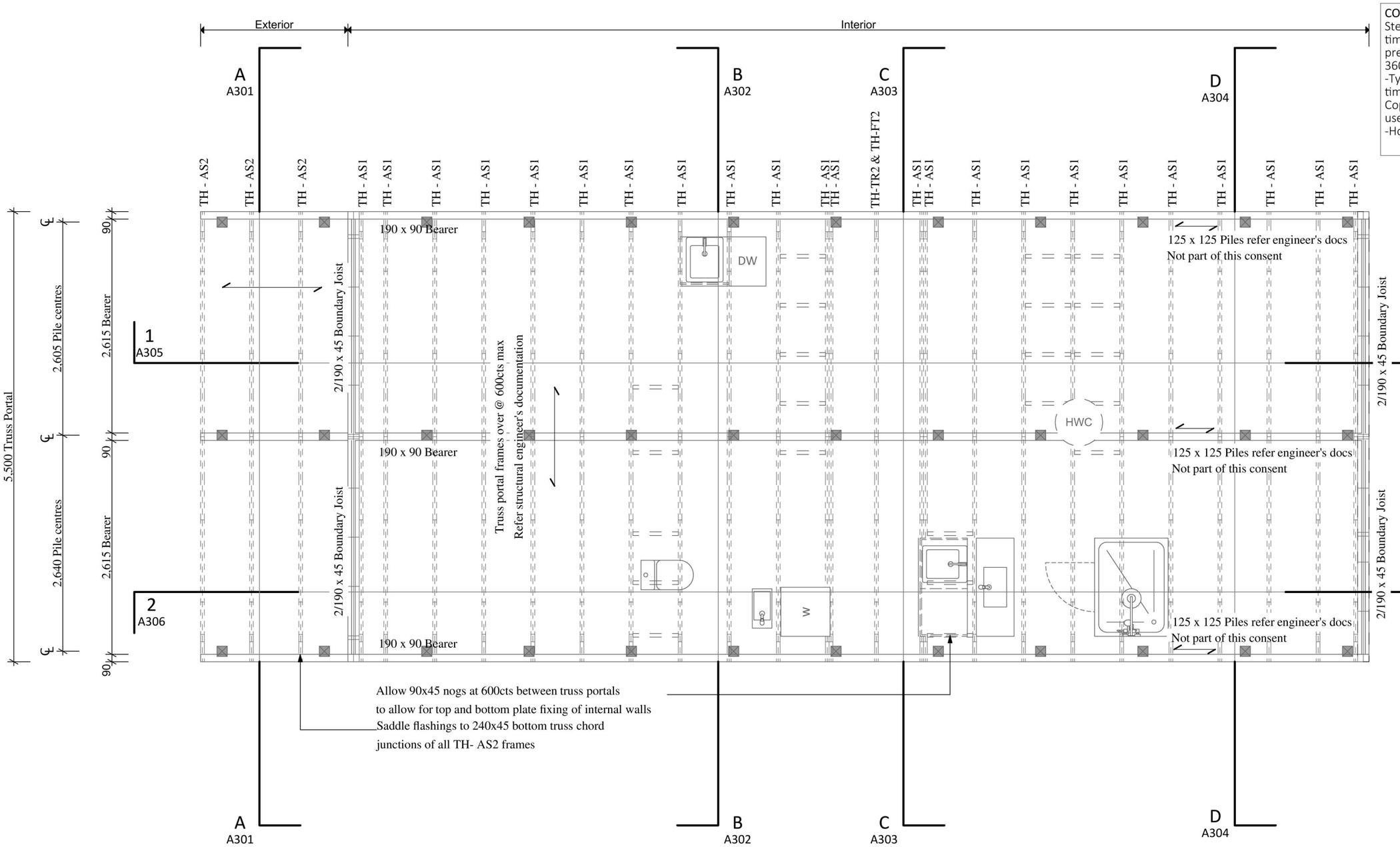
Project Number: OPP-31903187

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Refer Pryda Structural Engineering Documentation
for bracing design, truss portal and wall frame
fabrication and fixing information



COPPER BASED TIMBER PRESERVATIVES
Steel fixings and fastenings in contact with timber treated with copper-based timber preservatives (H3.2 or higher) shall be as per NZS 3604 and be a minimum of:
-Type 304 stainless steel when in contact with timber treated with Copper Azole or Alkaline Copper Quaternary (ACQ) preservatives, where used in exposed or sheltered locations.
-Hot-dipped galvanised for all other locations



Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Foundation and Truss Portal Setout Plan

Drawing Number: A205
Revision: 02

Revision History:

02	For Consent	28/10/26

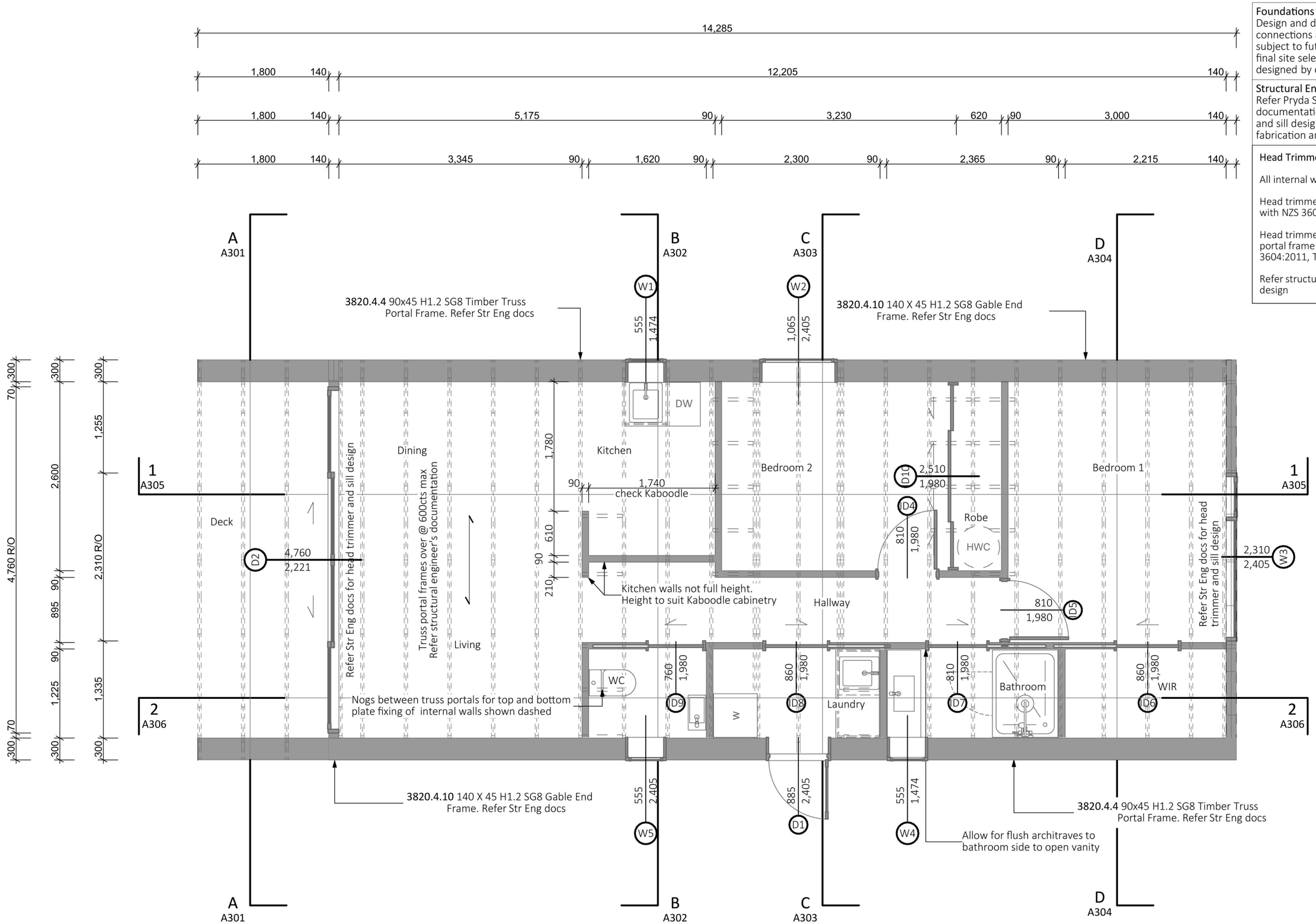
Project Number: OPP-31903187

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1
#LayID

Foundation and Truss Portal Setout Plan

Scale 1:50



Foundations
Design and documentation for foundations, site connections and site specific requirements subject to future consent application following final site selection. Temporary foundations designed by contractor.

Structural Engineering
Refer Pryda Structural Engineering documentation for bracing design, head trimmer and sill design, truss portal and wall frame fabrication and fixing infomation.

Head Trimmers and Sills

All internal walls non-loadbearing.

Head trimmers for internal doors in accordance with NZS 3604:2011, Table 8.15

Head trimmers and sills for windows in truss portal frame walls in accordance with NZS 3604:2011, Table 8.15

Refer structural engineer's docs for gable end wall design

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Framing Plan

Drawing Number: A206
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

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1 Ground Floor Framing Plan

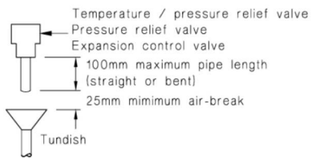
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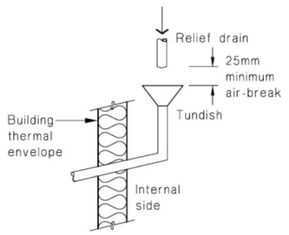
LEGEND

AAV	= AIR ADMITTANCE VALVE
GT	= GULLY TRAP
ORG	= OVERFLOW RELIEF GULLY
TAP	= HOSE TAP WITH HOSE CONNECTION
IP	= INSPECTION POINT
IJ	= INSPECTION JUNCTION
IB	= INSPECTION BEND
DP	= DOWNPIPE
DASHED LINES	= OUTLINE OF WALLS

Figure 12: Relief Valve Drains – Freezing Protection
Paragraphs 6.7.1, 6.7.4 and 6.7.5



(a) Storage water heater located where freezing likely
e.g. External to building thermal envelope in cold climates



(b) Relief drain located where freezing likely
e.g. Internal storage water heater with drain discharging externally (See figure 13 also)

Note: Tundishes and tundish drains shall be sized and installed to prevent overflow when the relief valve discharges.

WATER SUPPLY: 20mm SPEEDFIT IN WALL FOR HOT AND COLD WATER.
HOT WATER: NEW MPVE RHEEM
HWC TO SUPPLY HOT WATER TO SINKS, SHOWER & LAUNDRY.
TV TERMINAL VENT 50mm DIA PIPE
GT: GULLY TRAP, TOP OF GRATE TO BE MIN 25mm ABOVE PAVED, AND 100mm ABOVE UNPAVED GROUND
WHERE ANY WASTE PIPE TO GT EXCEEDS 3.5m INSTALL AAV OR TV REQUIRED.

PLUMBING
ALL PLUMBING TO COMPLY WITH G13/AS1
ALL PLUMBING LINES ARE SHOWN INDICATIVELY AND ARE TO BE CONFIRMED ON SITE BY QUALIFIED PLUMBER.
ALL PLUMBING TO BE INSULATED TO AVOID NOISE TRANSFER

SANITARY FIXTURE DISCHARGE UNITS AND MINIMUM DISCHARGE PIPE DIAMETER
The following is a guide only.
Refer to NZBC G13/AS1 Table 2 for more information

Sanitary Fixture	Discharge Units	Discharge Pipe Min Dia
Basin	1	40mm
Bath	4	40mm
Shower	2	40mm
WC	4	80mm
Dishwasher	3	40mm
Kitchen sink	3	40mm
Laundry tub	5	40mm
WM	5	40mm

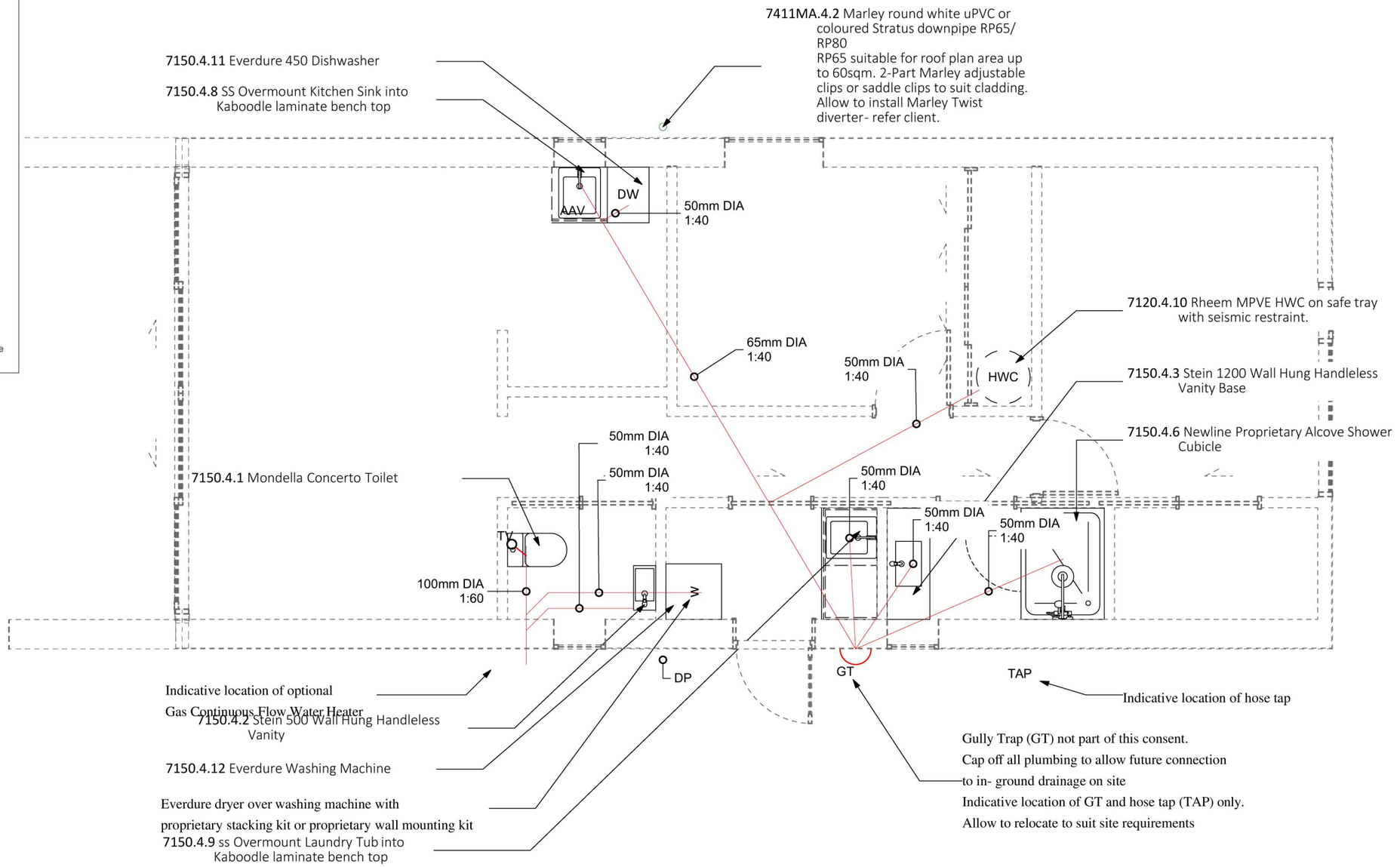
DISCHARGE UNIT LOADING AND DISCHARGE PIPE GRADIENT
The following is a guide only.
Refer to NZBC G13/AS1 Table 4 for more information

Discharge Pipe Dia	Max Discharge Unit Load	Min Pipe Gradient
40mm	6	1:20 (2.86°)
50mm	8	1:40 (1.43°)
65mm	21	1:40 (1.43°)
80mm	16	1:60 (0.95°)
100mm	115	1:60 (0.95°)

Table 6: Vent pipe sizes
Paragraphs 5.3.1, 5.6.1, 5.6.3 c) and Table 5, G13/AS2 Paragraph 4.2.2 and Table 3

For fixture vent pipes	
Diameter of fixture discharge pipe (mm)	**Minimum diameter of fixture vent pipe (mm)**
32	32
40	32
50	40
65	40
80	40
100	40
For branch vent, branch drain vent, relief vent (see Note) and discharge stack vent pipes	
Maximum discharge units connected to the discharge pipe	**Minimum diameter of open vent pipe (mm)**
Up to 15	40
16 to 65	50
66 to 376	65
More than 376	80
For main drain vents	
Maximum discharge units connected to the discharge pipe	**Minimum diameter of open vent pipe (mm)**
Not applicable	80

Note:
Relief vent sizes are acceptable for a maximum developed length of 12 m.



1 **Plumbing Plan**
#LayID Scale 1:50

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Plumbing Plan

Drawing Number: A207
Revision: 02

Revision History:

02	For Consent	28/10/26

Project Number: OPP-31903187

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DOUBLE POWER SOCKET. USB= USB. UB = UNDER BENCH. AB= ABOVE BENCH IP65+	PENDANT LIGHT
DOUBLE LIGHT SWITCH	DIRECTIONAL DOWNLIGHT LEDs (~3000K)
TRIPLE LIGHT SWITCH	DATA
SINGLE LIGHT SWITCH	SECURITY LIGHT
QUINTUPLE LIGHT SWITCH	DISTRIBUTION BOARD
LED STRIP LIGHTING	TYPE 1 SMOKE ALARM. HEAT= HEAT
WALL HUNG LIGHT. IP= EXTERIOR WALL LIGHT IP65+	CEILING MOUNTED EXTRACT FAN WITH TIMER

ARTIFICIAL LIGHT
Spaces shall be provided with adequate artificial lighting which, when activated in the absence of natural light will enable safe movement of people.

Illuminnce at floor level shall be no less than 20 lux.

ELECTRICAL
All GPOs and switches to be placed in 90mm internal walls where possible.

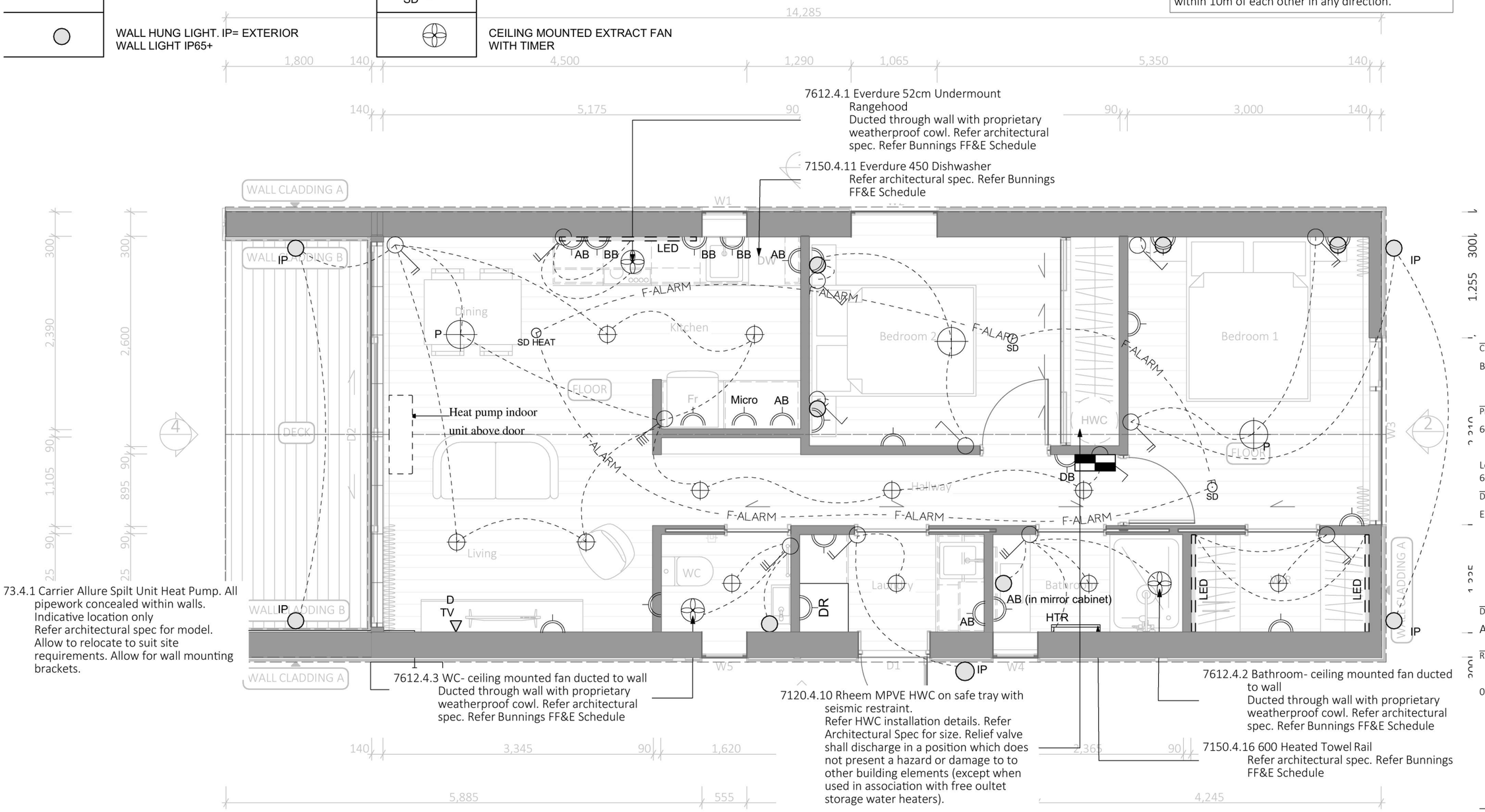
GPO height: 600mm above Finished Floor Level

Switch height: 1000 above Finished Floor Level

Domestic Smoke Alarms
Domestic smoke alarms to be installed in accordance with NZBC C/AS1 & F7/AS1. Each Household Unit shall be provided with a minimum of a Type 1 domestic smoke alarm system in compliance with NZS 4514:2021. Refer Architectural Specification Section 7352

Smoke alarms to be installed in every sleeping space, living space and hallway within the building. Where a kitchen is separated from the living spaces and hallways by doors that can be closed, an alarm specified by its manufacturer as suitable for a kitchen shall be located in the kitchen. This may be a heat alarm to avoid nuisance activations.

These smoke alarms shall be interconnected so that when one activates, all smoke alarm devices in the household unit will sound. Smoke alarms shall be within 10m of each other in any direction.



2 Electrical Plan

#LayID

Scale 1:50

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Electrical Plan

Drawing Number: A208
Revision: 02

Revision History:

02	For Consent	28/10/26

Project Number: OPP-31903187

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SOFFIT
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation

OPTION 1 SHIPLAP:
90x45 solid nogging at 480cts max between portals. Vent VB20 cavity battens fixed horizontally through to each nog. Humpine Pineclad TMT vertical shiplap weatherboard cladding with 2/layers of factory applied oil finish. Soffit flashing to wall junction.

4221.4.1 Humepine Pineclad TMT Vertical Shiplap Cladding
Shiplap boards fixed with rose head nails- 75 or 90 mm x 3.15 mm s/steel (annular grooved). Single mid-fixed board to each nog, nogs at max 480 crs. Fixings at a 2º angle. Fixings to be min 40 mm from end of board. 3- 5 mm gap between boards. Boards supplied with dual coat of factory applied oil stain finish. Ensure cut ends of all boards are coated on site before fixing. Refer manufacturer's installation documentation

CEILING LINING
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation.

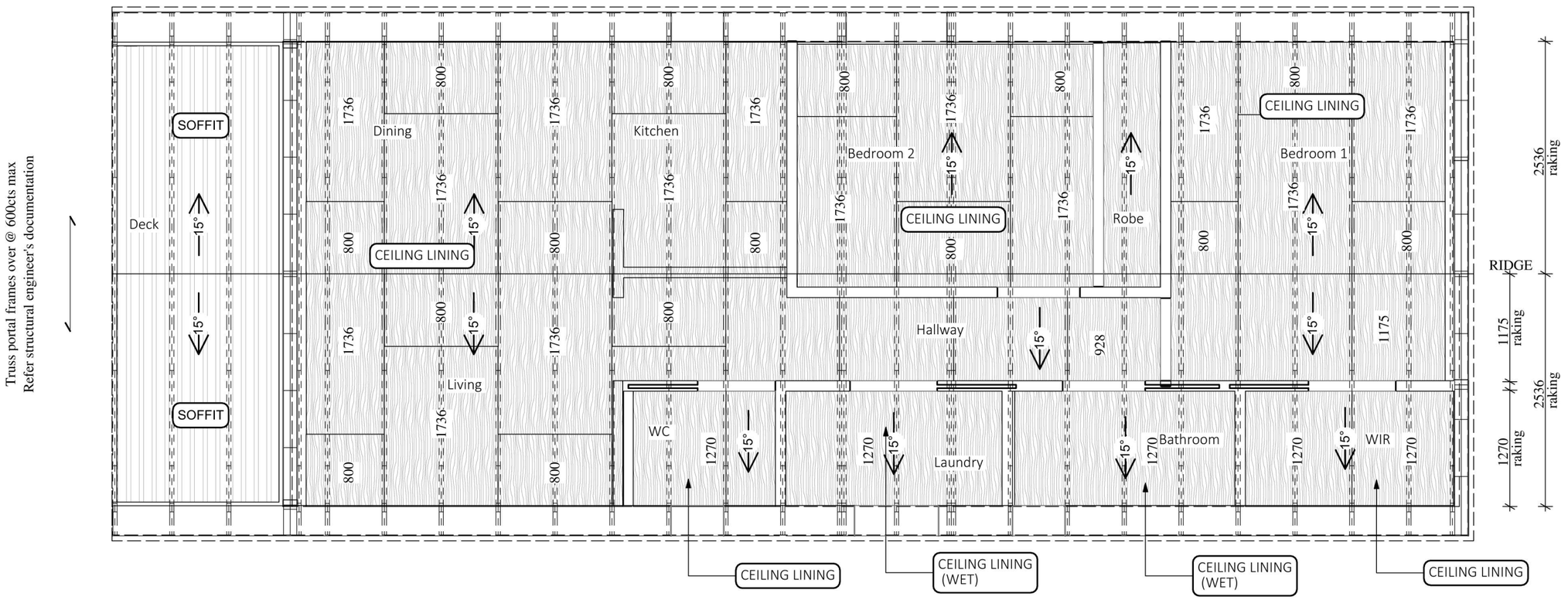
OPTION 1 PLYWOOD:
9mm Tigerline Okoume plywood ceiling lining fixed thru 70x35 ceiling battens at 400cts, solid nogging behind all joins. Allow 5mm max negative to plywood sheets joins. Thermakraft Premium Joining Tape behind joins for airtightness. 10mm shadowline to junction of ProRoc wall lining and plywood ceiling. Clear finish. 10mm ProRoc Moisture Resistant plasterboard ceiling to wet areas square stopped to wall. L4 Paint finish.

5122.4.2 9mm Keyland Tigerline FSC Okoume plywood ceiling lining - clear finish
2700/2400 x 1200 x 9mm panels fixed to 70 x 35mm ceiling battens at 400cts running perpendicular to truss portals. Solid nogging behind all plywood joins. Ridge and knee junctions taped with Thermakraft Premium Joining tape for airtightness. 10mm shodowline between ProRoc plasterboard walls and plywood ceiling. Grain to follow ridge. Staggered sheet join set-out. Clear finish. Plywood ceiling not suitable for wet areas. Moisture Resistent ProRoc plasterboard ceiling to wet areas, L4 paint finish, square stopped to walls.

5113.4.4 10mm ProRoc Moisture Resistant Board - Ceiling
1200 x 2400/2700mm plasterboard sheets fixed to ceiling battens at 400cts. Use min 6g 32mm high thread plasterboard screws at 600mm centres at the edges and centre of the sheet across the batten. Install fixings not closer than 18mm from cut edges and 12mm from paper bound edges. Place daubs of plasterboard adhesive at 300mm centres to intermediate battens. Do not place plasterboard adhesive at sheet edges or within 200mm of fasteners. Refer ProRoc Installation guide

70 x 35 H1.2 ceiling battens set out to suit Hydrapanel joins @ 460 cts max

70 x 35 H1.2 ceiling battens set out to suit Plywood joins @ 400 cts max



Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Reflected Ceiling Plan

Drawing Number: A209
Revision: 02

Revision History:

02	For Consent	28/10/26

Project Number: OPP-31903187

1 Reflected Ceiling Plan
#LayID
Scale 1:50

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ROOF
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. 2/layers 140mm H3.2 (or R3.6) Earthwool Glasswool Wall Insulation Segments friction fit between truss portals. Option to increase thermal efficiency: As availability allows, install 2/layers of 140mm R3.6 Earthwool Glasswool to roof cavity

Amorsteel 18mm UltraZen prefinished 0.40mm BMT corrugated steel roofing fixed thru 10mm Vent VB10 ventilating batten over Thermakraft Covertek 407 roofing underlay on 90x45 timber purlins on their flat at 900cts max. Fixing Type in accordance with NZS 3604:2011. Install roof in accordance with NZMRM Code of Practice. Allow to apply snowload factor as applicable.

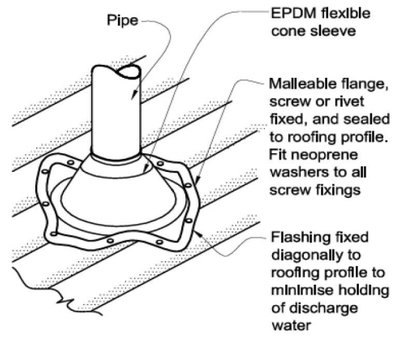
4311A.4.1 Armorsteel UltraZen 0.4mm BMT **Big 5** profiled roofing
Crest fixings 12-11x65 Class 4 Type 17 or universal screws with neoprene seals. Fasteners to have a minimum embedment into structural timber of 30mm. 4/fasteners per sheets in accordance with VH wind zone parameters. Fixings in accordance with Exposure Zone D. Refer client for UltraZen finish colour

Very High Wind Zone
All building elements to be constructed in accordance with Very High Wind Zone parameters in NZS 3604:2011 and the NZBC. THIS BUILDING CAN BE SITED IN WIND ZONES UP TO AND INCLUDING VERY HIGH ONLY.

Exposure Zone D
All building elements to be suitable for use in all exposure zones including Exposure Zone D in NZS 3604:2011 and the NZBC.

Thermal Efficiency
As availability allows, replace 2 layers of 140mm R3.2 with 2 layers of 140mm R3.6 Earthwool Glasswool to roof cavity, to increase thermal performance.

Figure 53: **Flashing for small pipes**
Paragraphs 8.3.10, 8.4.17, 9.6.8.5 and 9.6.9.3

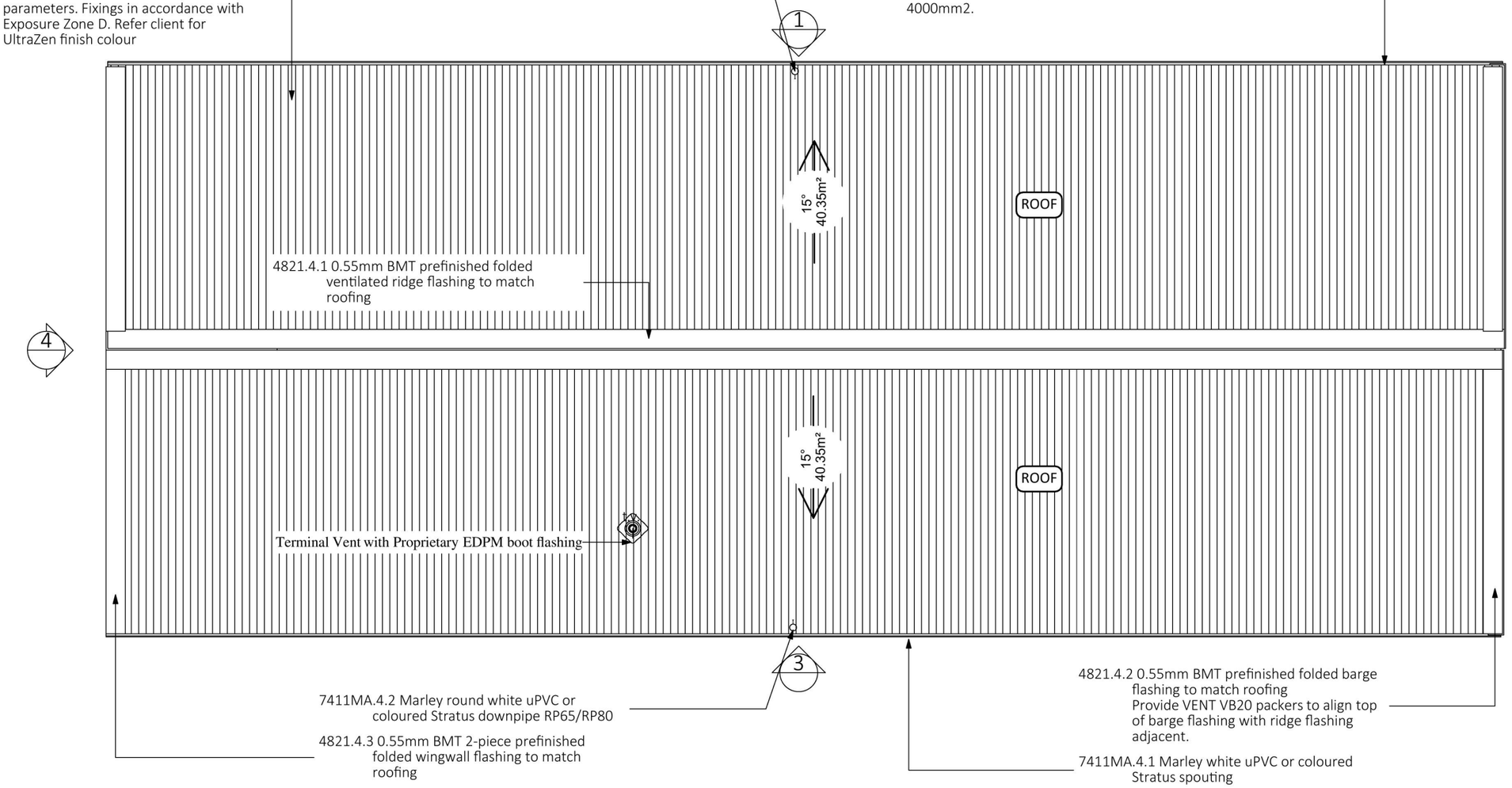


NOTE:
(1) Max. roof pitch for this flashing 45°, minimum pitch 10° If base of flange covers one or more complete troughs.
(2) For pipes up to 85 mm diameter.

4311A.4.1 Armorsteel UltraZen 0.4mm BMT **Big 5** profiled roofing
Crest fixings 12-11x65 Class 4 Type 17 or universal screws with neoprene seals. Fasteners to have a minimum embedment into structural timber of 30mm. 4/fasteners per sheets in accordance with VH wind zone parameters. Fixings in accordance with Exposure Zone D. Refer client for UltraZen finish colour

7411MA.4.2 Marley round white uPVC or coloured Stratus downpipe RP65/RP80 RP65 suitable for roof plan area up to 60sqm. 2-Part Marley adjustable clips or saddle clips to suit cladding. Allow to install Marley Twist diverter- refer client.

7411MA.4.1 Marley white uPVC or coloured Stratus spouting
Fixed to folded metal fascia with Marley M4 20mm Metal Fascia Screws. Intenal or external brackets to provide 10mm clearance between fascia. Refer Marley Installation Guide. Refer client for profile selection. Min cross-sectional area 4000mm2.



1 **Roof Plan**
#LayID **Scale 1:50**

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Roof Plan

Drawing Number: A210
Revision: 02

Revision History:

02	For Consent	28/10/26

Project Number: OPP-31903187

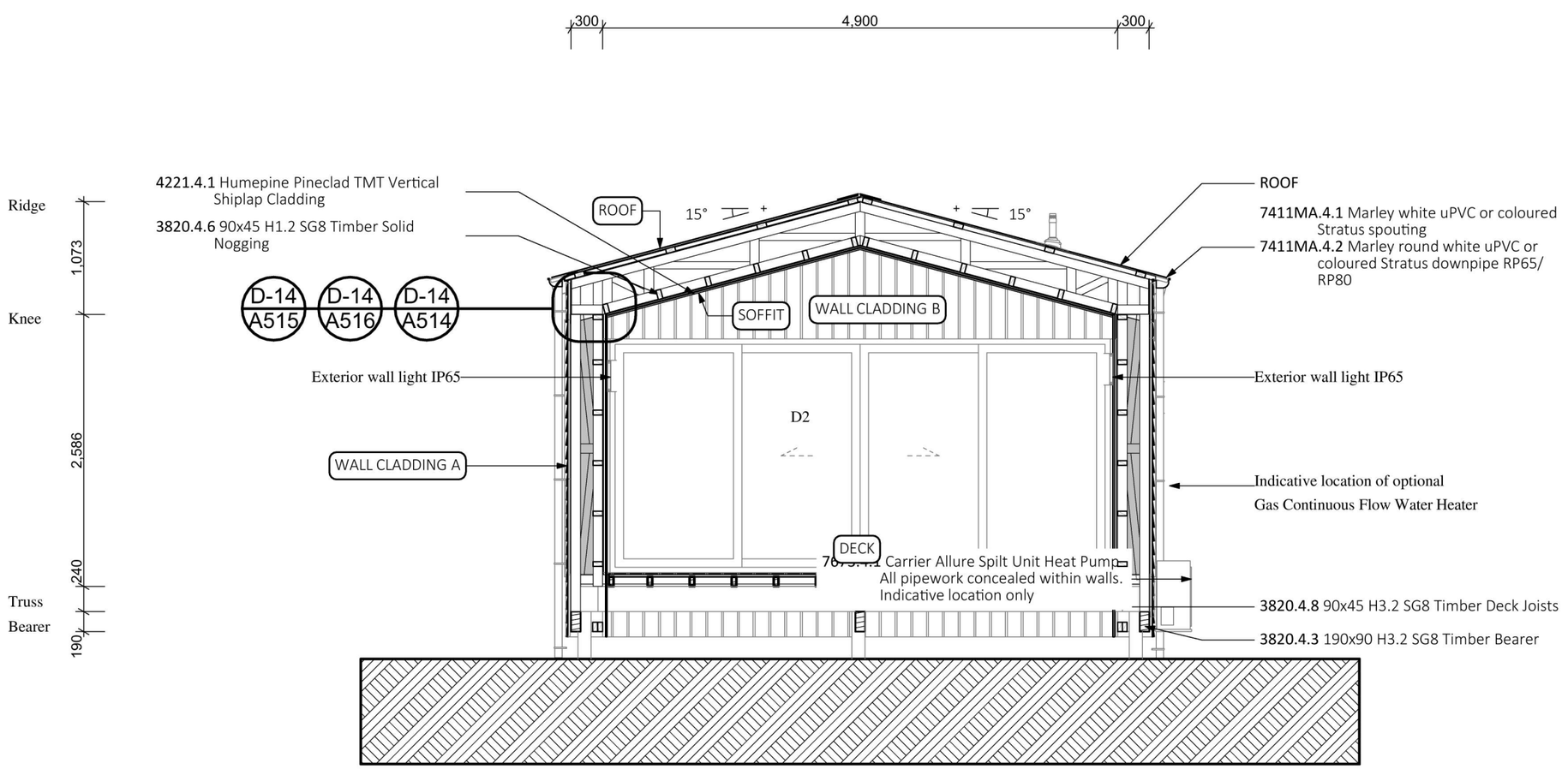
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WALL LINING
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. Nog only as required for fixing.
OR (internal non-loadbearing walls): H1.2 90x45 studs at 600cts with 2/rows of nogs at 1350 cts max. Allow additonal nogging for grab rails, towel rails, toilet roll holders etc.
140x35 or 190x35 top plate fixed to nogs at 600cts between truss portal frames. 90x45 bottom plate fixed to 90x45 nogs at 600cts between truss portal frames.

OPTION 1 PROROC:
10mm ProRoc Standard Board installed as per manufacturer's installation guide. 10mm ProRoc Moisture Resistant Board to wet areas. L4 paint finish. 90x10mm solid timber pre-primed skirting boards, 40x10mm solid timber pre-primed architraves, paint finish. Refer client for colour.

5113.4.1 10mm ProRoc Standard Board - Walls
1200 x 2400/2700mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboartd adhesive at 300cts to intermediate truss portal leg or stud. Refer ProRoc Installation guide

5113.4.3 10mm ProRoc Moisture Resistant Board - Walls
1200 x 2400mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboard adhesive at 300cts to intermediate truss portal leg. When used as a substrate for tiling screws must be at 100mm cts to perimeter and centre of board up to tile height. Do not use adhesive behind board where tiles will be laid. Refer ProRoc Installation guide



A / **A203** **Short Section A**
Scale 1:50

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Short Section A

Drawing Number: A301
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

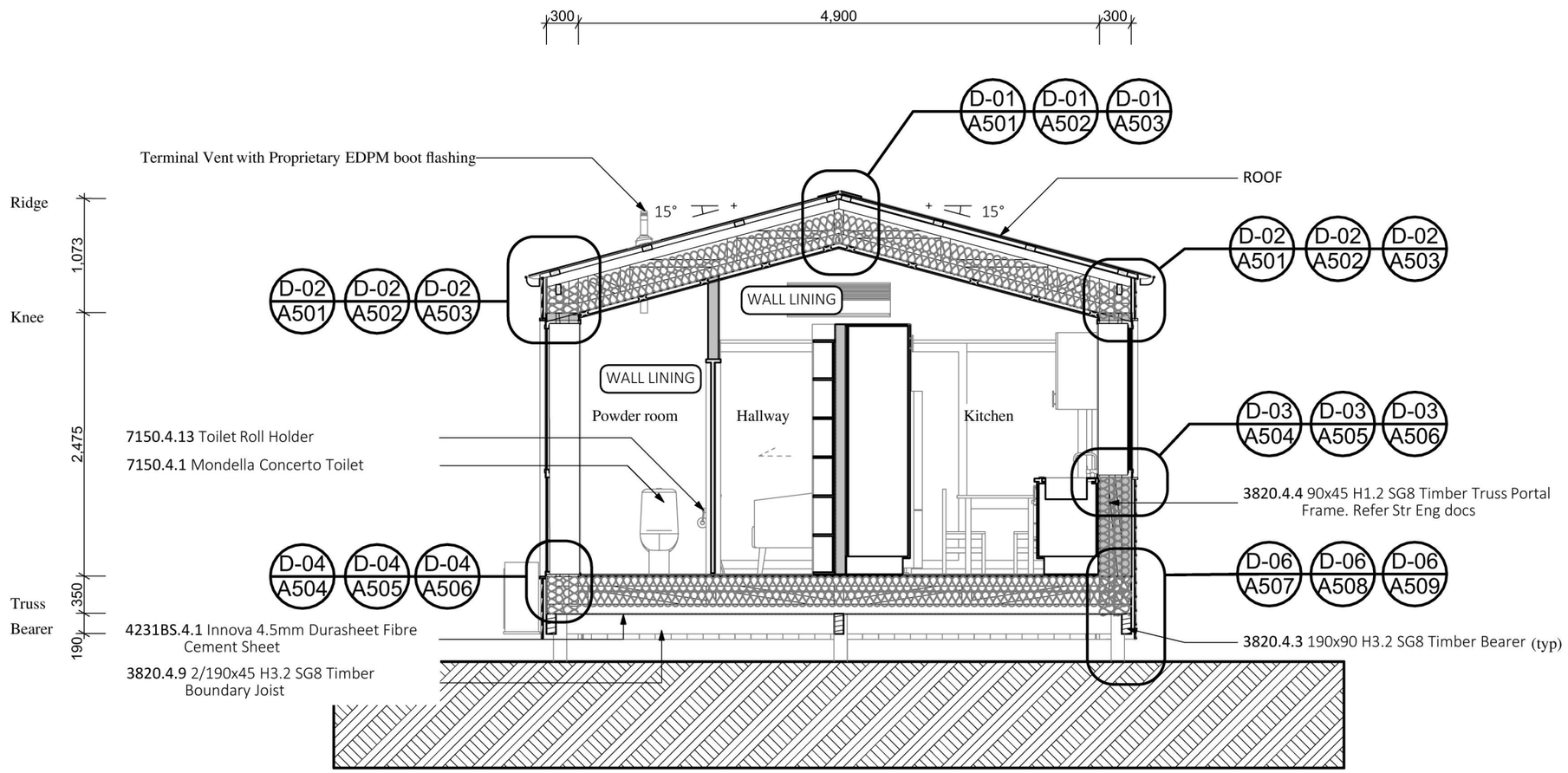
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WALL LINING
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. Nog only as required for fixing.
OR (internal non-loadbearing walls): H1.2 90x45 studs at 600cts with 2/rows of nogs at 1350 cts max. Allow additonal nogging for grab rails, towel rails, toilet roll holders etc.
140x35 or 190x35 top plate fixed to nogs at 600cts between truss portal frames. 90x45 bottom plate fixed to 90x45 nogs at 600cts between truss portal frames.

OPTION 1 PROROC:
10mm ProRoc Standard Board installed as per manufacturer's installation guide. 10mm ProRoc Moisture Resistant Board to wet areas. L4 paint finish. 90x10mm solid timber pre-primed skirting boards, 40x10mm solid timber pre-primed architraves, paint finish. Refer client for colour.

5113.4.1 10mm ProRoc Standard Board - Walls
1200 x 2400/2700mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboartd adhesive at 300cts to intermediate truss portal leg or stud. Refer ProRoc Installation guide

5113.4.3 10mm ProRoc Moisture Resistant Board - Walls
1200 x 2400mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboard adhesive at 300cts to intermediate truss portal leg. When used as a substrate for tiling screws must be at 100mm cts to perimeter and centre of board up to tile height. Do not use adhesive behind board where tiles will be laid. Refer ProRoc Installation guide



B / **A203** **Short Section B**
Scale 1:50

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Short Section B

Drawing Number: A302
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

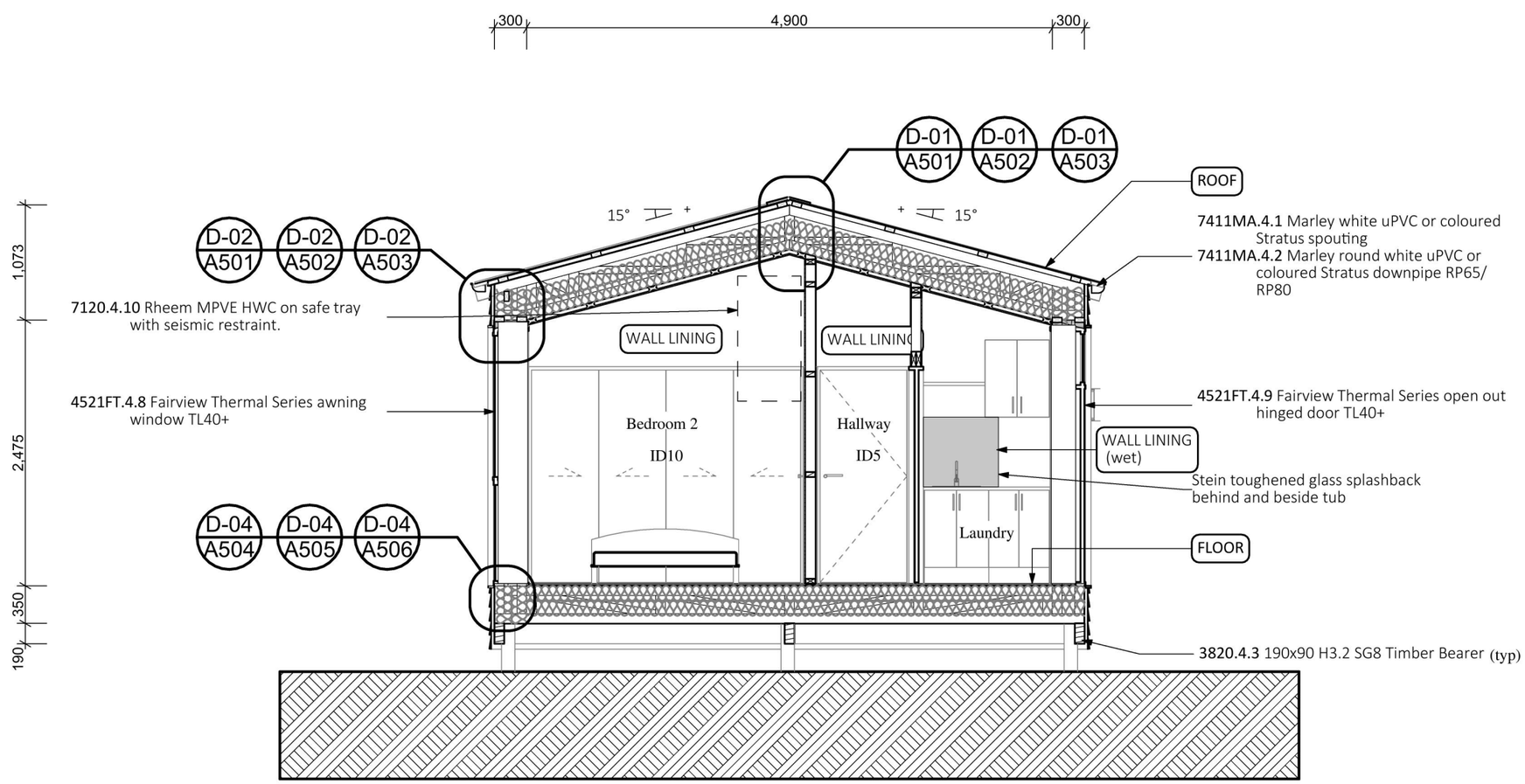
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WALL LINING
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. Nog only as required for fixing.
OR (internal non-loadbearing walls): H1.2 90x45 studs at 600cts with 2/rows of nogs at 1350 cts max. Allow additonal nogging for grab rails, towel rails, toilet roll holders etc.
140x35 or 190x35 top plate fixed to nogs at 600cts between truss portal frames. 90x45 bottom plate fixed to 90x45 nogs at 600cts between truss portal frames.

OPTION 1 PROROC:
10mm ProRoc Standard Board installed as per manufacturer's installation guide. 10mm ProRoc Moisture Resistant Board to wet areas. L4 paint finish. 90x10mm solid timber pre-primed skirting boards, 40x10mm solid timber pre-primed architraves, paint finish. Refer client for colour.

5113.4.1 10mm ProRoc Standard Board - Walls
1200 x 2400/2700mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboartd adhesive at 300cts to intermediate truss portal leg or stud. Refer ProRoc Installation guide

5113.4.3 10mm ProRoc Moisture Resistant Board - Walls
1200 x 2400mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboard adhesive at 300cts to intermediate truss portal leg. When used as a substrate for tiling screws must be at 100mm cts to perimeter and centre of board up to tile height. Do not use adhesive behind board where tiles will be laid. Refer ProRoc Installation guide



C A203 **Short Section C**
Scale 1:50

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Short Section C

Drawing Number: A303
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

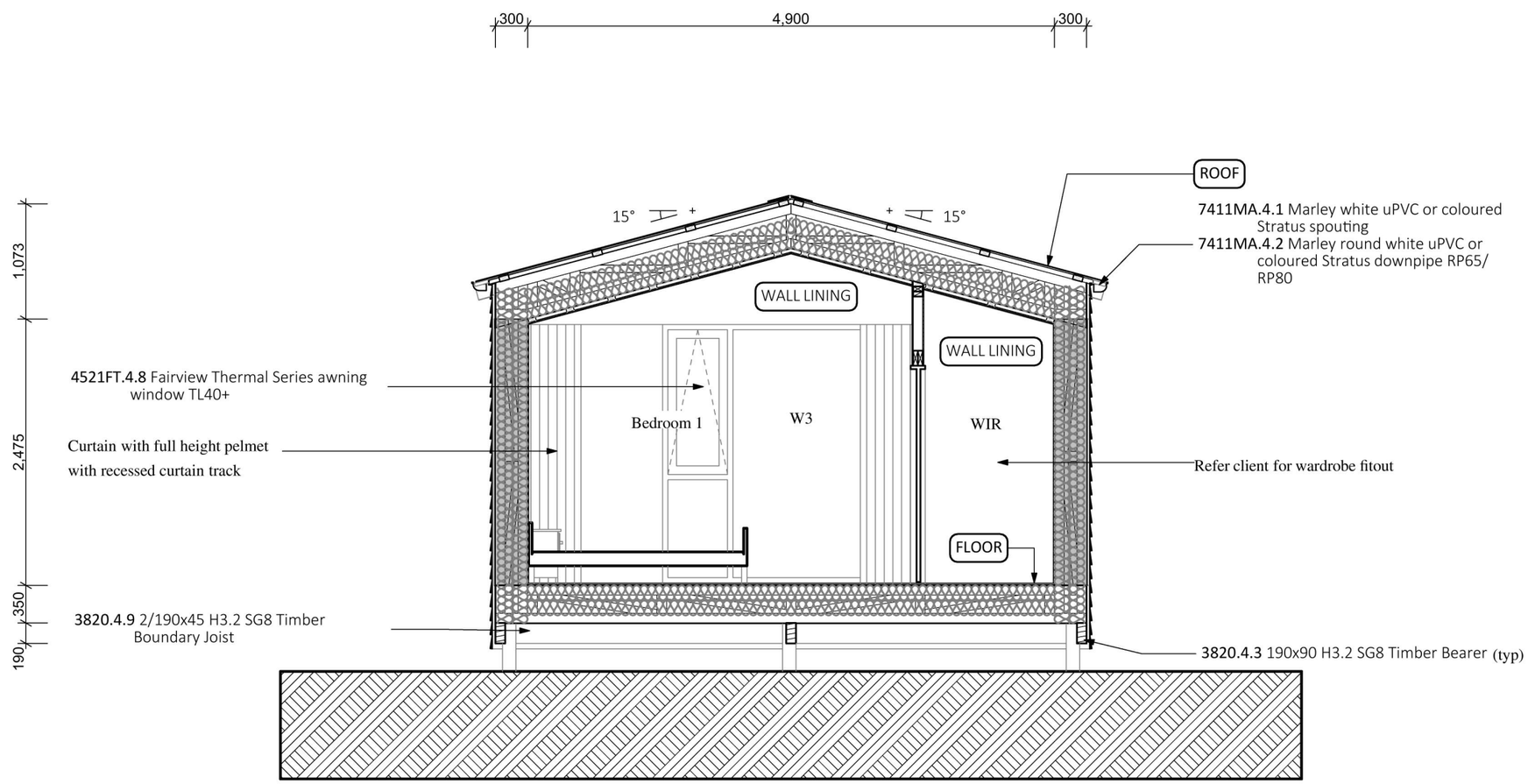
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WALL LINING
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. Nog only as required for fixing.
OR (internal non-loadbearing walls): H1.2 90x45 studs at 600cts with 2/rows of nogs at 1350 cts max. Allow additonal nogging for grab rails, towel rails, toilet roll holders etc.
140x35 or 190x35 top plate fixed to nogs at 600cts between truss portal frames. 90x45 bottom plate fixed to 90x45 nogs at 600cts between truss portal frames.

OPTION 1 PROROC:
10mm ProRoc Standard Board installed as per manufacturer's installation guide. 10mm ProRoc Moisture Resistant Board to wet areas. L4 paint finish. 90x10mm solid timber pre-primed skirting boards, 40x10mm solid timber pre-primed architraves, paint finish. Refer client for colour.

5113.4.1 10mm ProRoc Standard Board - Walls
1200 x 2400/2700mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboartd adhesive at 300cts to intermediate truss portal leg or stud. Refer ProRoc Installation guide

5113.4.3 10mm ProRoc Moisture Resistant Board - Walls
1200 x 2400mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboard adhesive at 300cts to intermediate truss portal leg. When used as a substrate for tiling screws must be at 100mm cts to perimeter and centre of board up to tile height. Do not use adhesive behind board where tiles will be laid. Refer ProRoc Installation guide



D
A203

Short Section D

Scale 1:50

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Short Section D

Drawing Number: A304
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

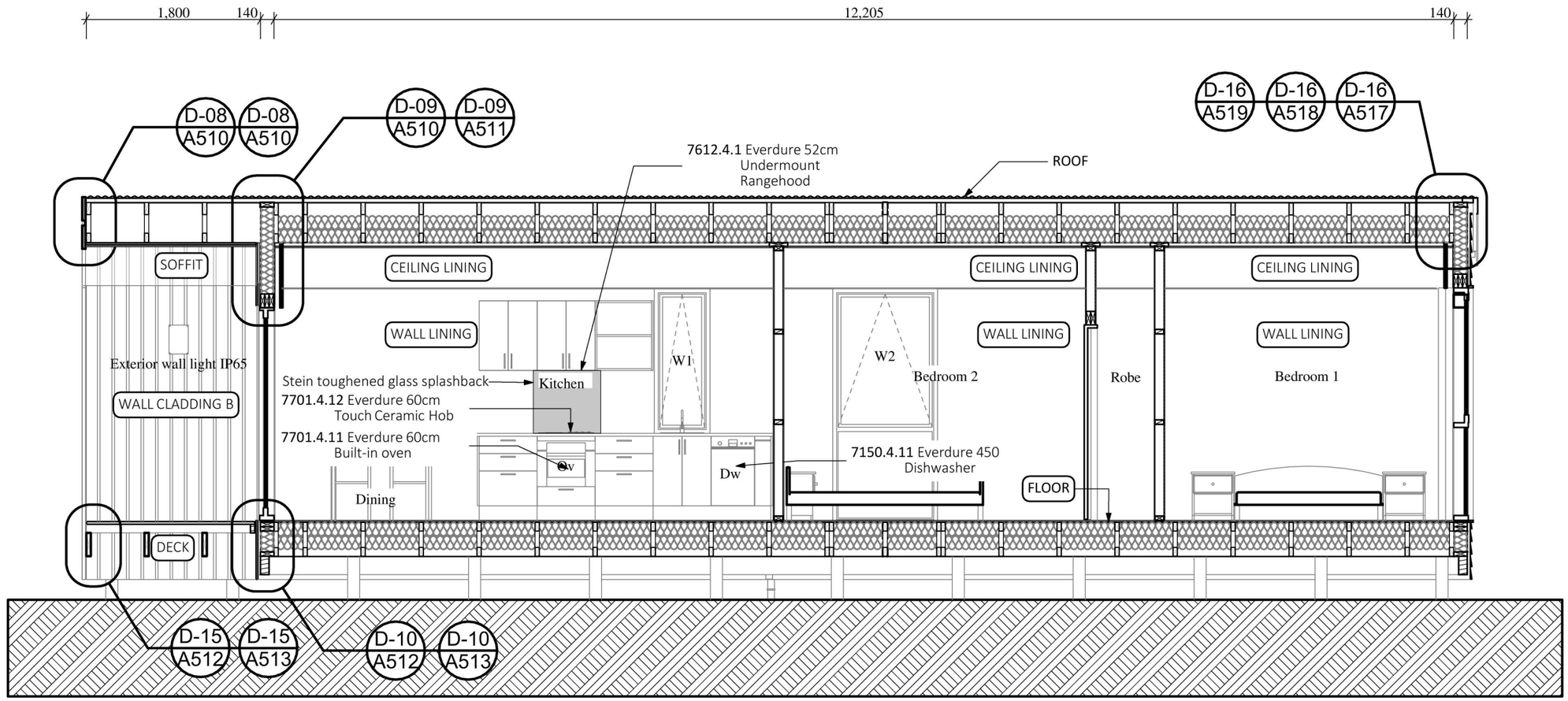
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WALL LINING
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. Nog only as required for fixing.
OR (internal non-loadbearing walls): H1.2 90x45 studs at 600cts with 2/rows of nogs at 1350 cts max. Allow additonal nogging for grab rails, towel rails, toilet roll holders etc.
140x35 or 190x35 top plate fixed to nogs at 600cts between truss portal frames. 90x45 bottom plate fixed to 90x45 nogs at 600cts between truss portal frames.

OPTION 1 PROROC:
10mm ProRoc Standard Board installed as per manufacturer's installation guide. 10mm ProRoc Moisture Resistant Board to wet areas. L4 paint finish. 90x10mm solid timber pre-primed skirting boards, 40x10mm solid timber pre-primed architraves, paint finish. Refer client for colour.

5113.4.1 10mm ProRoc Standard Board - Walls
1200 x 2400/2700mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboartd adhesive at 300cts to intermediate truss portal leg or stud. Refer ProRoc Installation guide

5113.4.3 10mm ProRoc Moisture Resistant Board - Walls
1200 x 2400mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboard adhesive at 300cts to intermediate truss portal leg. When used as a substrate for tiling screws must be at 100mm cts to perimeter and centre of board up to tile height. Do not use adhesive behind board where tiles will be laid. Refer ProRoc Installation guide



1 / A203 Long Section 1
Scale 1:50

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Long Section 1

Drawing Number: A305
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

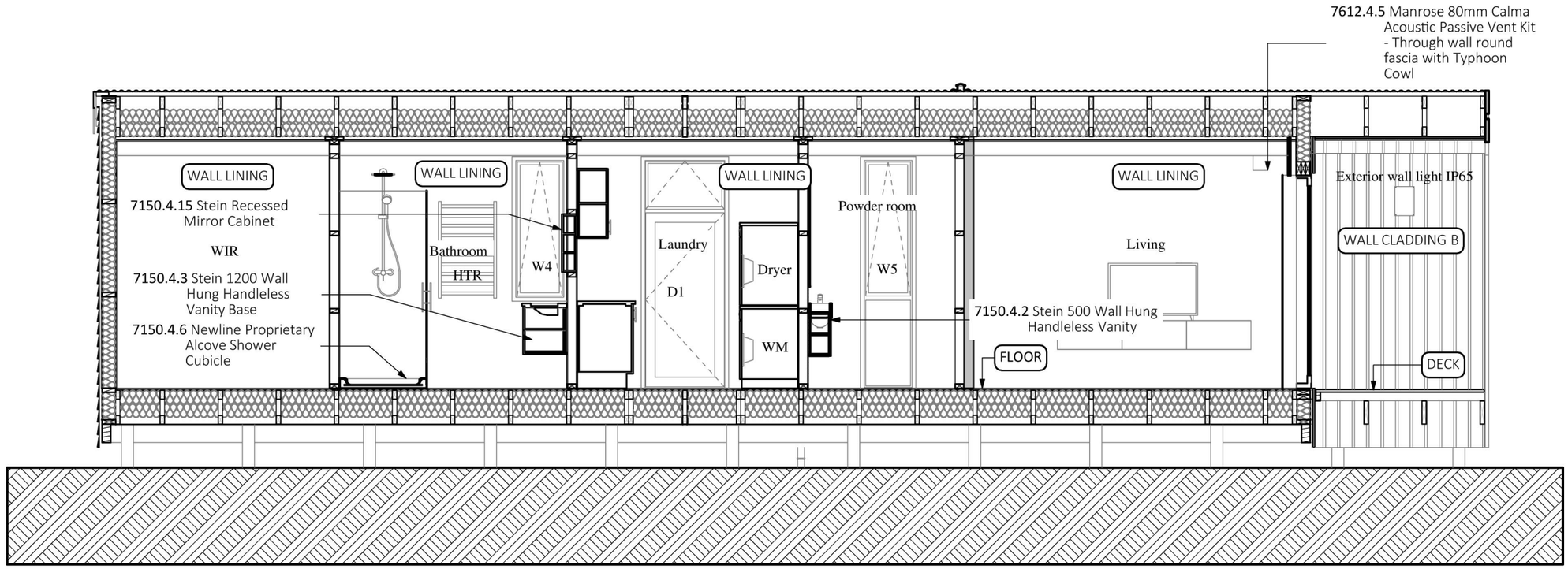
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WALL LINING
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. Nog only as required for fixing.
OR (internal non-loadbearing walls): H1.2 90x45 studs at 600cts with 2/rows of nogs at 1350 cts max. Allow additonal nogging for grab rails, towel rails, toilet roll holders etc.
140x35 or 190x35 top plate fixed to nogs at 600cts between truss portal frames. 90x45 bottom plate fixed to 90x45 nogs at 600cts between truss portal frames.

OPTION 1 PROROC:
10mm ProRoc Standard Board installed as per manufacturer's installation guide. 10mm ProRoc Moisture Resistant Board to wet areas. L4 paint finish. 90x10mm solid timber pre-primed skirting boards, 40x10mm solid timber pre-primed architraves, paint finish. Refer client for colour.

5113.4.1 10mm ProRoc Standard Board - Walls
1200 x 2400/2700mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboartd adhesive at 300cts to intermediate truss portal leg or stud. Refer ProRoc Installation guide

5113.4.3 10mm ProRoc Moisture Resistant Board - Walls
1200 x 2400mm plasterboard. Use min 6g 25mm high thread plasterboard screws at 300mm cts around the sheet perimeter. Daubs of plasterboard adhesive at 300cts to intermediate truss portal leg. When used as a substrate for tiling screws must be at 100mm cts to perimeter and centre of board up to tile height. Do not use adhesive behind board where tiles will be laid. Refer ProRoc Installation guide



2 Long Section 2
A203
Scale 1:50

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Long Section 2

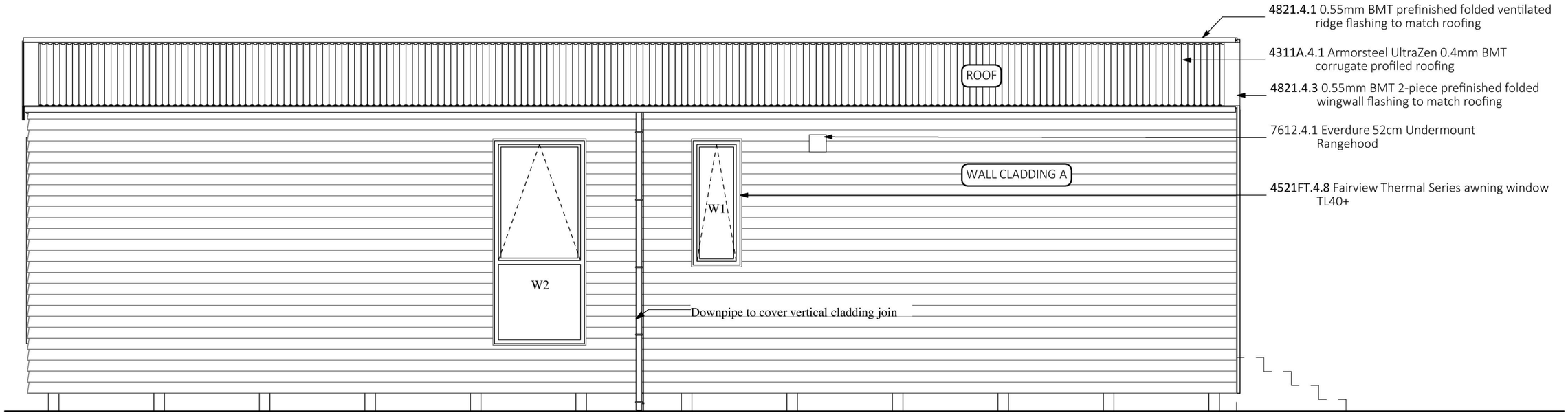
Drawing Number: A306
Revision: 02

Revision History:

02	For Consent	28/10/26

Project Number: OPP-31903187

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Piles indicative only. NOT PART OF THIS CONSENT

1 Elevation 1

#LayID

Scale 1:50

Very High Wind Zone
All building elements to be constructed in accordance with Very High Wind Zone parameters in NZS 3604:2011 and the NZBC. THIS BUILDING CAN BE SITED IN WIND ZONES UP TO AND INCLUDING VERY HIGH ONLY.

Exposure Zone D
All building elements to be suitable for use in all exposure zones including Exposure Zone D in NZS 3604:2011 and the NZBC.

Finishes
Refer client for all colours and finishes

Risk Matrix for **Elevation 1**
Wall Type: **Standard**

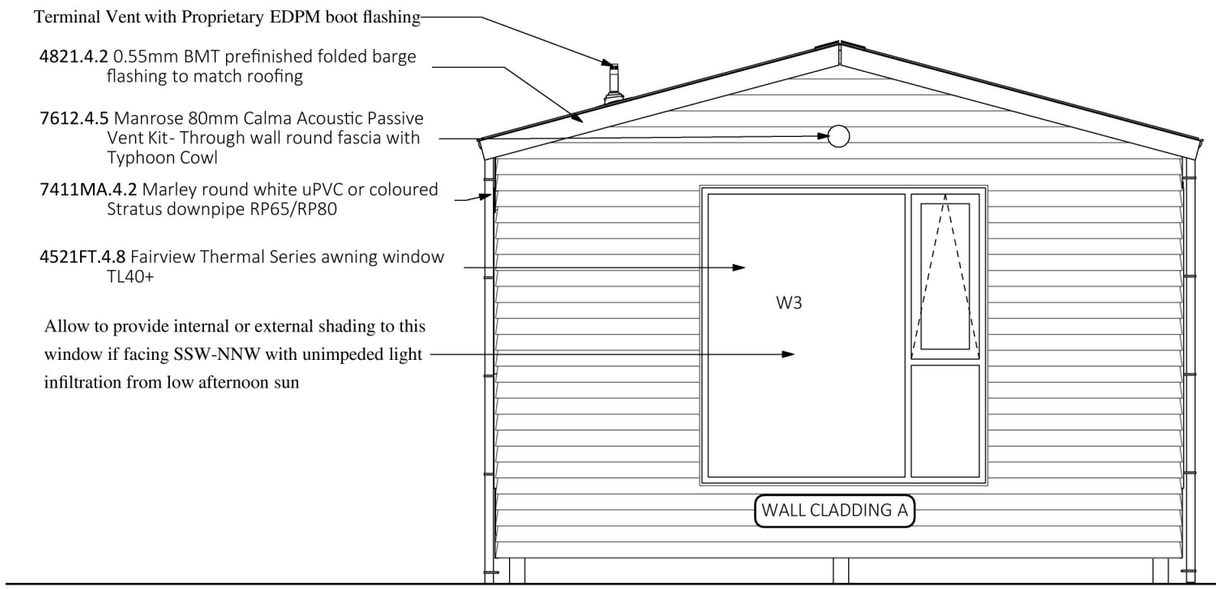
Risk Factor	*Low*	*Med.*	*High*	*Very High*	*Score*
Wind (NZS3604)	0	0	1	**2**	**2**
Storeys	**0**	1	2	4	**0**
R/W Intersection	0	**1**	3	5	**1**
Eaves Width	0	1	2	**5**	**5**
Complexity	**0**	1	3	6	**0**
Deck Design	**0**	2	4	6	**0**
				Total Risk Score: **medium**	**8**

Risk Matrix created by Design Navigator

Risk Matrix for **Elevation 2**
Wall Type: **Standard**

Risk Factor	*Low*	*Med.*	*High*	*Very High*	*Score*
Wind (NZS3604)	0	0	1	**2**	**2**
Storeys	**0**	1	2	4	**0**
R/W Intersection	0	**1**	3	5	**1**
Eaves Width	0	1	2	**5**	**5**
Complexity	**0**	1	3	6	**0**
Deck Design	**0**	2	4	6	**0**
				Total Risk Score: **medium**	**8**

Risk Matrix created by Design Navigator



Piles indicative only. NOT PART OF THIS CONSENT

2 Elevation 2

#LayID

Scale 1:50

WALL CLADDING A
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. 9mm Kronospan OSB RAB board fixed in accordance with structural engineer's documentation. All sheet joins fixed over solid framing. RAB board overfixed with Thermakraft Watergate Plus building wrap, installed in accordance with manufacturer's installation documentation.

OPTION 1 LINEAR 800:
14.9mm 0.55BMT Amorsteel Linear 800 UltraZen prefinished vertical metal profiled sheet cladding over Vent VB20 cavity battens fixed horizontally at 1200cts max. VB20 run continuously horizontally at base of cladding, and window/door heads as cavity closer & vermin proofing. Cladding pan fixed though cavity batten to solid nogging in accordance with manufacturer's documenation, allow to align with RAB horizontal sheet join where possible.

4241A.4.2 Amorsteel UltraZen 0.55mm BMT vertical Linear 800 profiled cladding
Pan fixings 12-11x55 Class 4 Type 17 or universal screws with neoprene seals. Fasteners to have a minimum embedment into structural timber of 30mm at 1200cts max. Fixings in accordance with Very High Wind Zone and Exposure Zone D. Refer client for UltraZen colour.

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Elevations

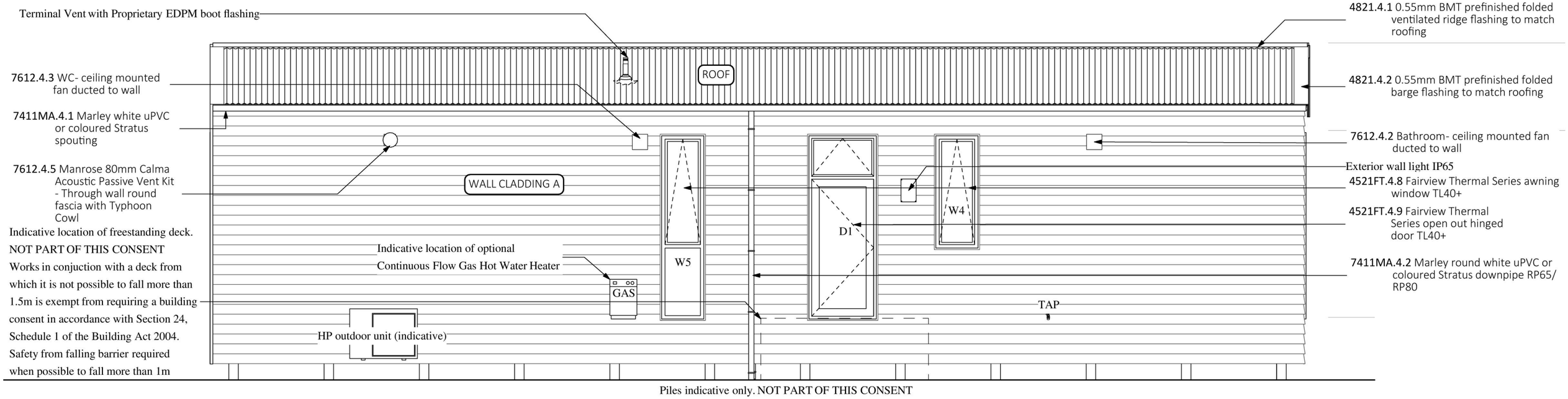
Drawing Number: A401
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

- ALL SETTING OUT, DIMENSIONS & LEVELS MUST BE VERIFIED ON SITE BEFORE COMMENCING WORK
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Piles indicative only. NOT PART OF THIS CONSENT

3 Elevation 3

#LayID **Scale 1:50**

Very High Wind Zone
All building elements to be constructed in accordance with Very High Wind Zone parameters in NZS 3604:2011 and the NZBC. THIS BUILDING CAN BE SITED IN WIND ZONES UP TO AND INCLUDING VERY HIGH ONLY.

Exposure Zone D
All building elements to be suitable for use in all exposure zones including Exposure Zone D in NZS 3604:2011 and the NZBC.

Finishes
Refer client for all colours and finishes

Risk Matrix for **Elevation 3**
Wall Type: **Standard**

Risk Factor	*Low*	*Med.*	*High*	*Very High*	*Score*
Wind (NZS3604)	0	0	1	**2**	**2**
Storeys	**0**	1	2	4	**0**
R/W Intersection	0	**1**	3	5	**1**
Eaves Width	0	1	2	**5**	**5**
Complexity	**0**	1	3	6	**0**
Deck Design	**0**	2	4	6	**0**
				Total Risk Score: **medium**	**8**

Risk Matrix created by Design Navigator

Risk Matrix for **Elevation 4**
Wall Type: **Standard**

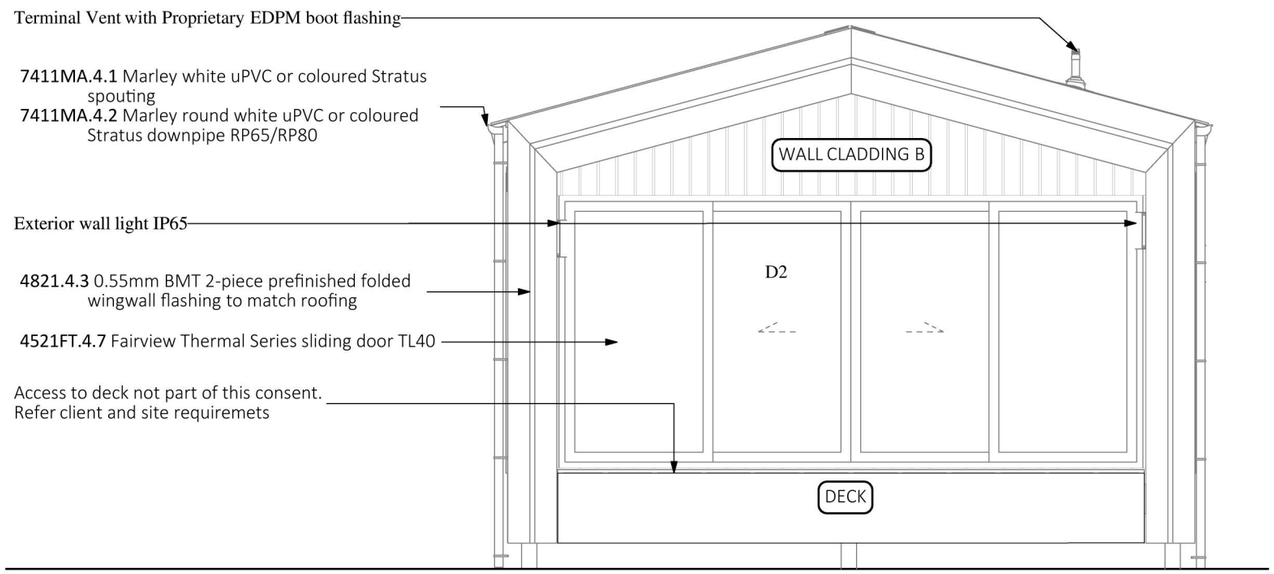
Risk Factor	*Low*	*Med.*	*High*	*Very High*	*Score*
Wind (NZS3604)	0	0	1	**2**	**2**
Storeys	**0**	1	2	4	**0**
R/W Intersection	0	**1**	3	5	**1**
Eaves Width	**0**	1	2	5	**0**
Complexity	**0**	1	3	6	**0**
Deck Design	0	**2**	4	6	**2**
				Total Risk Score: **low**	**5**

Risk Matrix created by Design Navigator

WALL CLADDING B
H1.2 90x45 Truss portal frames at 600cts max in accordance with engineer's documentation. Provide nogging as required for cladding type. 9mm Kronospan OSB RAB board fixed in accordance with structural engineer's documentation. All sheet joins fixed over solid framing. RAB board overfixed with Thermakraft Watergate Plus building wrap installed in accordance with manufacturer's installation documentation.

OPTION 1 SHIPLAP:
90x45 solid nogging at 480cts max between portals. Vent VB20 cavity battens fixed horizontally through to each nog. Fix Humpine Pineclad TMT vertical shiplap weatherboard cladding with 2/layers of factory applied oil finish in accordance with manufacturer's installation manual.

4221.4.1 Humepine Pineclad TMT Vertical Shiplap Cladding
Shiplap boards fixed with rose head nails- 75 or 90 mm x 3.15 mm s/steel (annular grooved). Single mid-fixed board to each nog, nogs at max 480 crs. Fixings at a 2º angle. Fixings to be min 40 mm from end of board. 3- 5 mm gap between boards. Boards supplied with dual coat of factory applied oil stain finish. Ensure cut ends of all boards are coated on site before fixing. Refer manufacturer's



Piles indicative only. NOT PART OF THIS CONSENT

4 Elevation 4

#LayID **Scale 1:50**

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Elevations

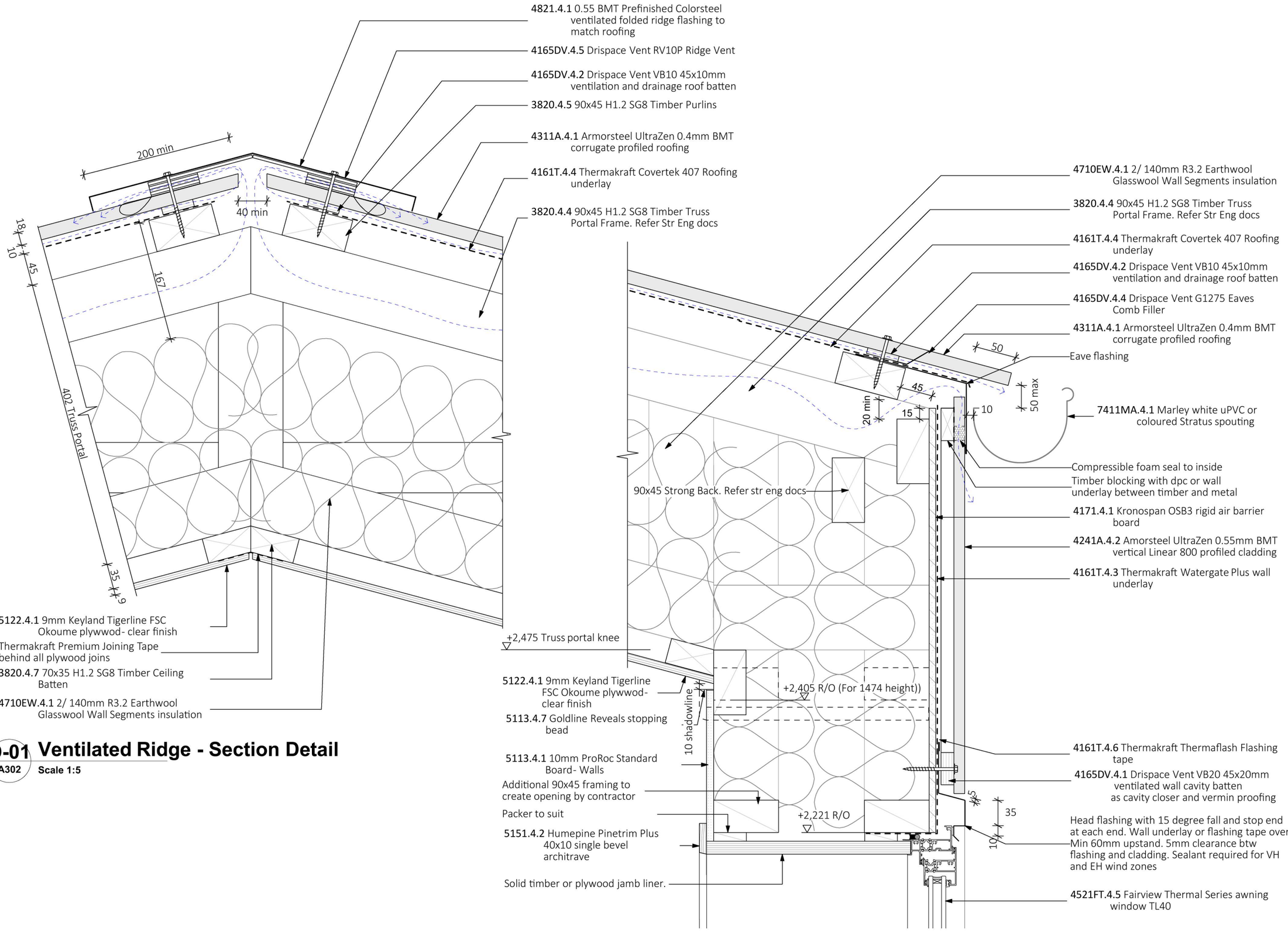
Drawing Number: A402
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

- ALL SETTING OUT, DIMENSIONS & LEVELS MUST BE VERIFIED ON SITE BEFORE COMMENCING WORK
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D-01 Ventilated Ridge - Section Detail

A302

Scale 1:5

D-02 Ventilated Fascia / Awning Window Head - Section Detail

A302

Scale 1:5

Client:

Budd Construction

Project:

60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:

Construction Details Linear 800 (Cladding A)

Drawing Number: A501

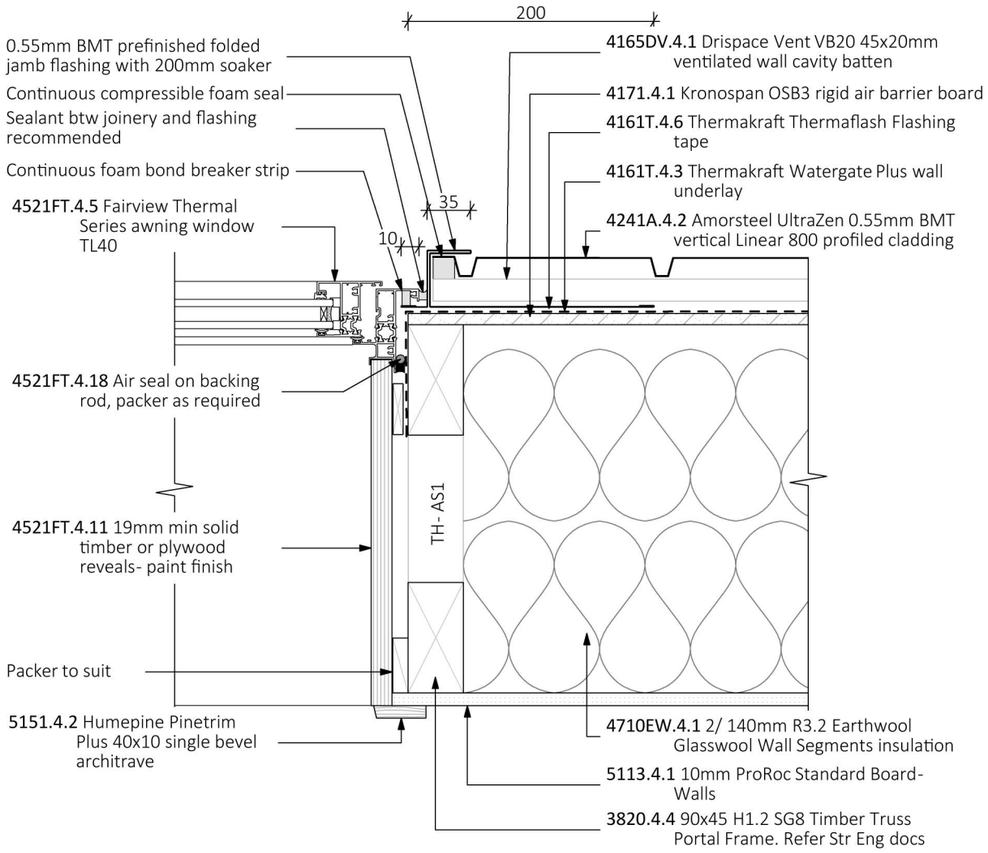
Revision: 02

Revision History:

02	For Consent	28/10/26

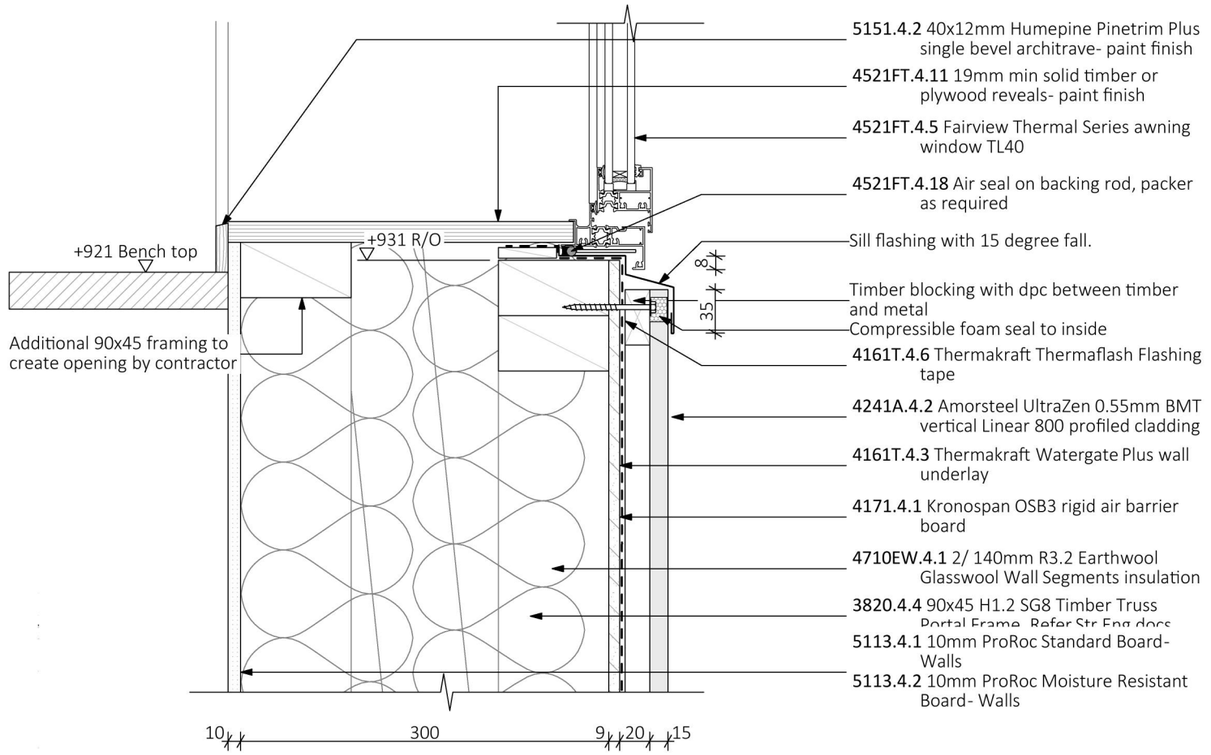
Project Number: OPP-31903187

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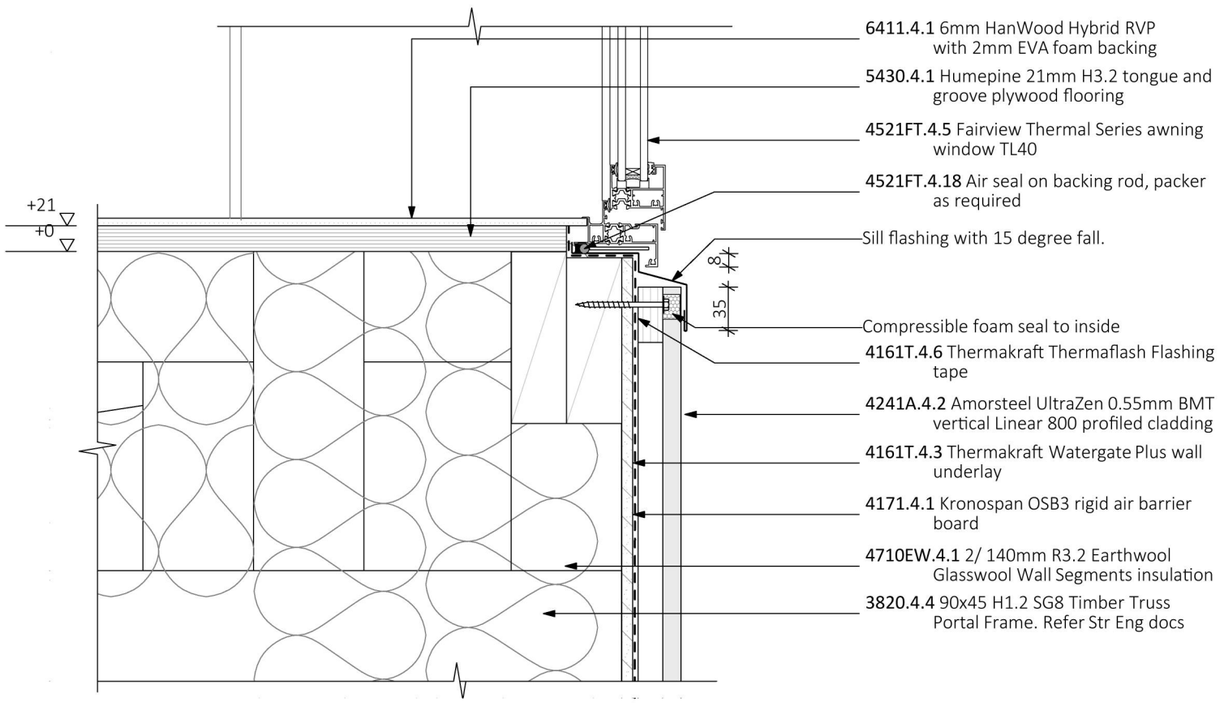
D-05 Awning Window Jamb - Plan Detail

A203 Scale 1:5



D-03 Awning Window Sill - Section Detail

A302 Scale 1:5



D-04 Awning Window Sill (Full Height) - Section Detail

A303 Scale 1:5

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Construction Details Linear 800 (Cladding A)

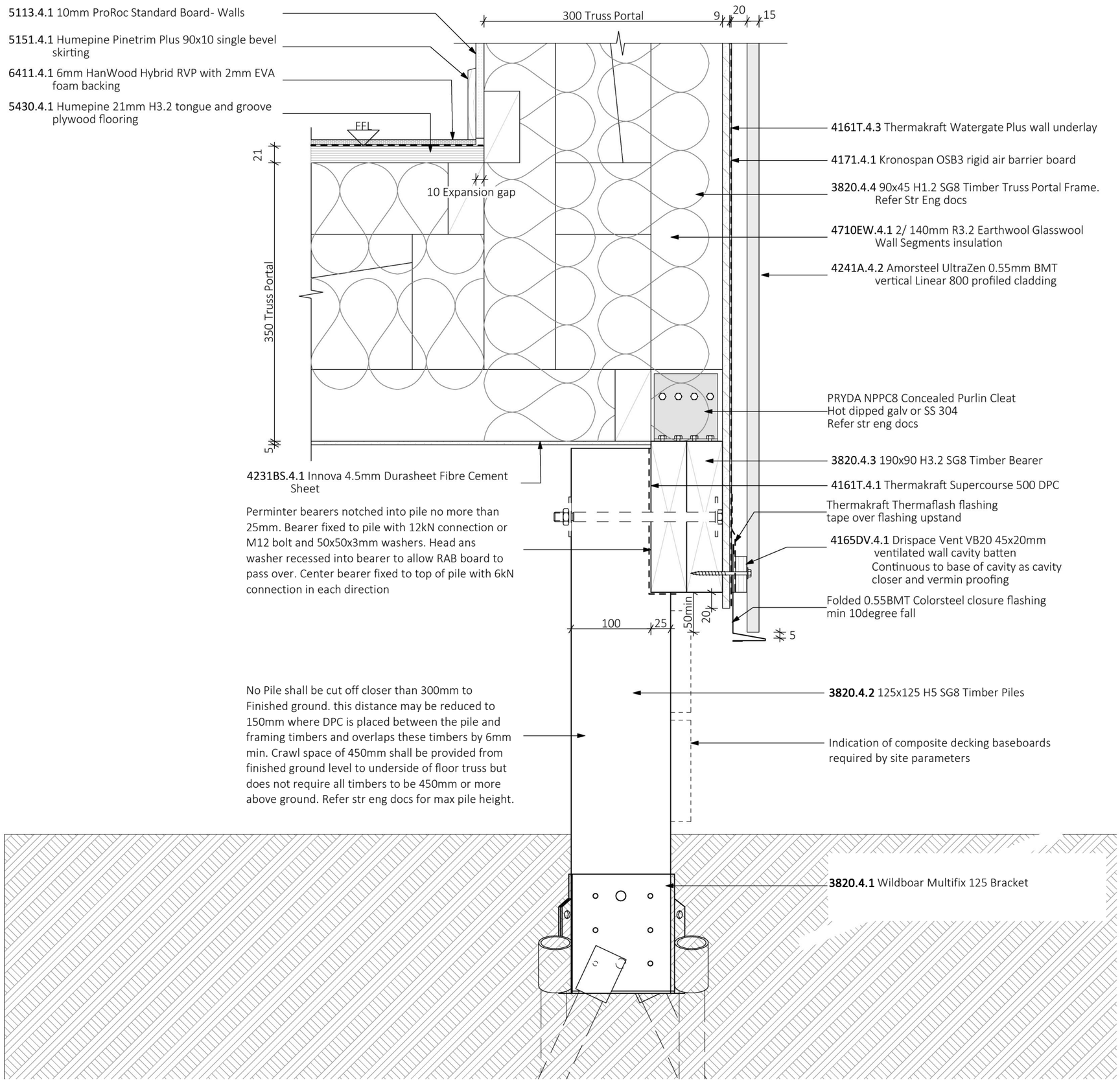
Drawing Number: A504
Revision: 02

Revision History:

02	For Consent	28/10/26

Project Number: OPP-31903187

- ALL SETTING OUT, DIMENSIONS & LEVELS MUST BE VERIFIED ON SITE BEFORE COMMENCING WORK
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D-06 Cladding Termination - Section Detail

A302 Scale 1:5

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Construction Details Linear 800 (Cladding A)

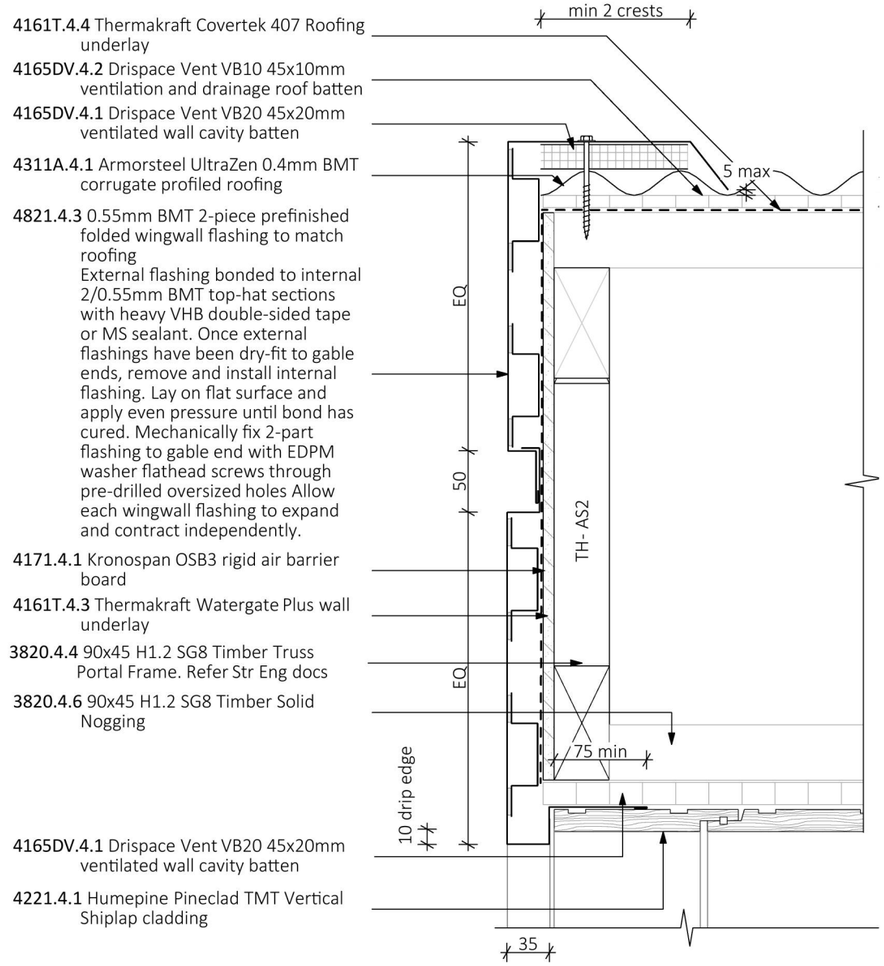
Drawing Number: A507
Revision: 02

Revision History:

02	For Consent	28/10/26

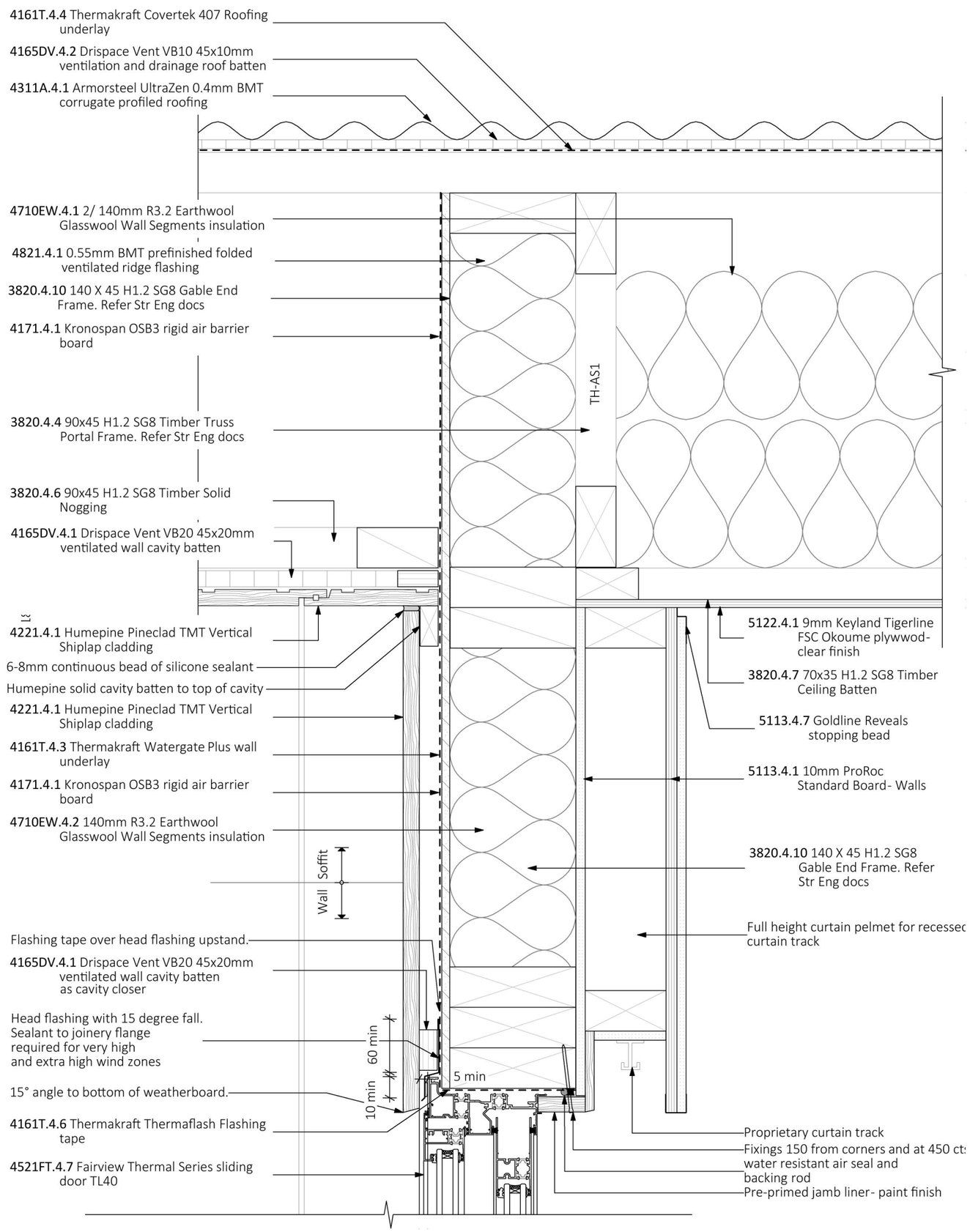
Project Number: OPP-31903187

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D-08 Barge - Section Detail

A305 Scale 1:5



D-09 Sliding Door to Deck Head - Section Detail

A305 Scale 1:5

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Construction Details Shiplap (Cladding B)

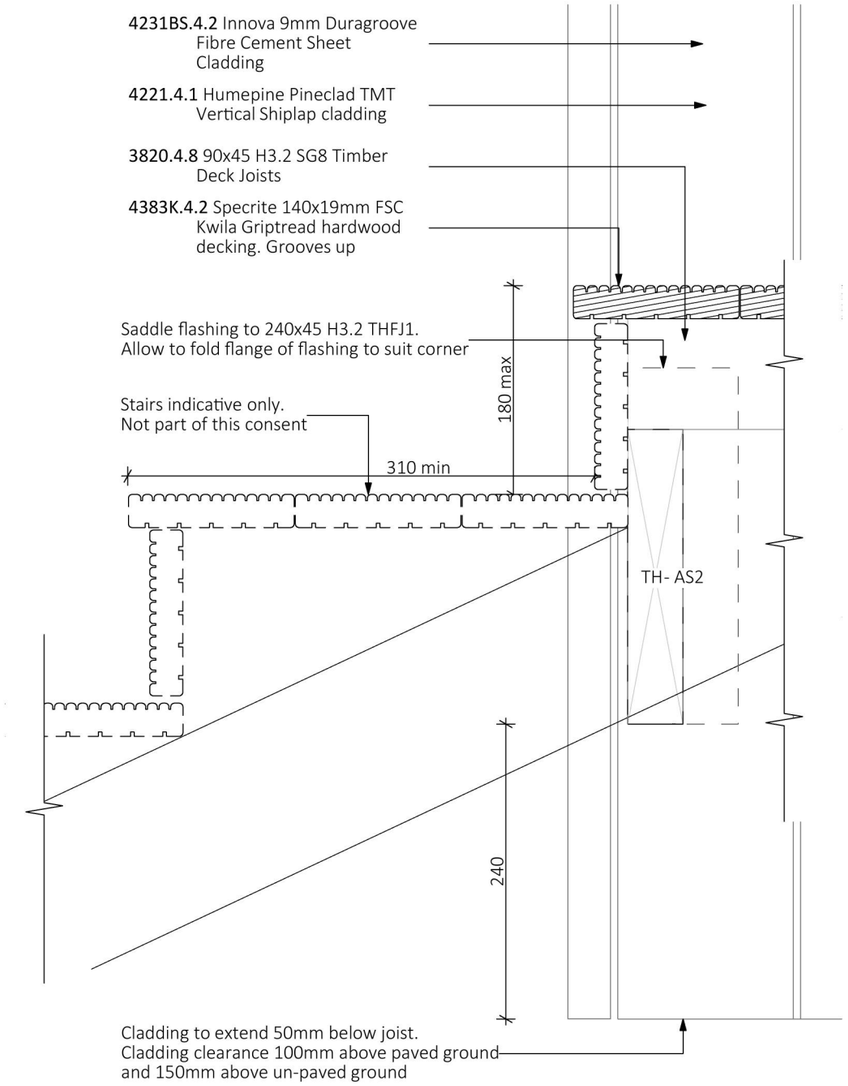
Drawing Number: A510
Revision: 02

Revision History:

02 For Consent 28/10/26

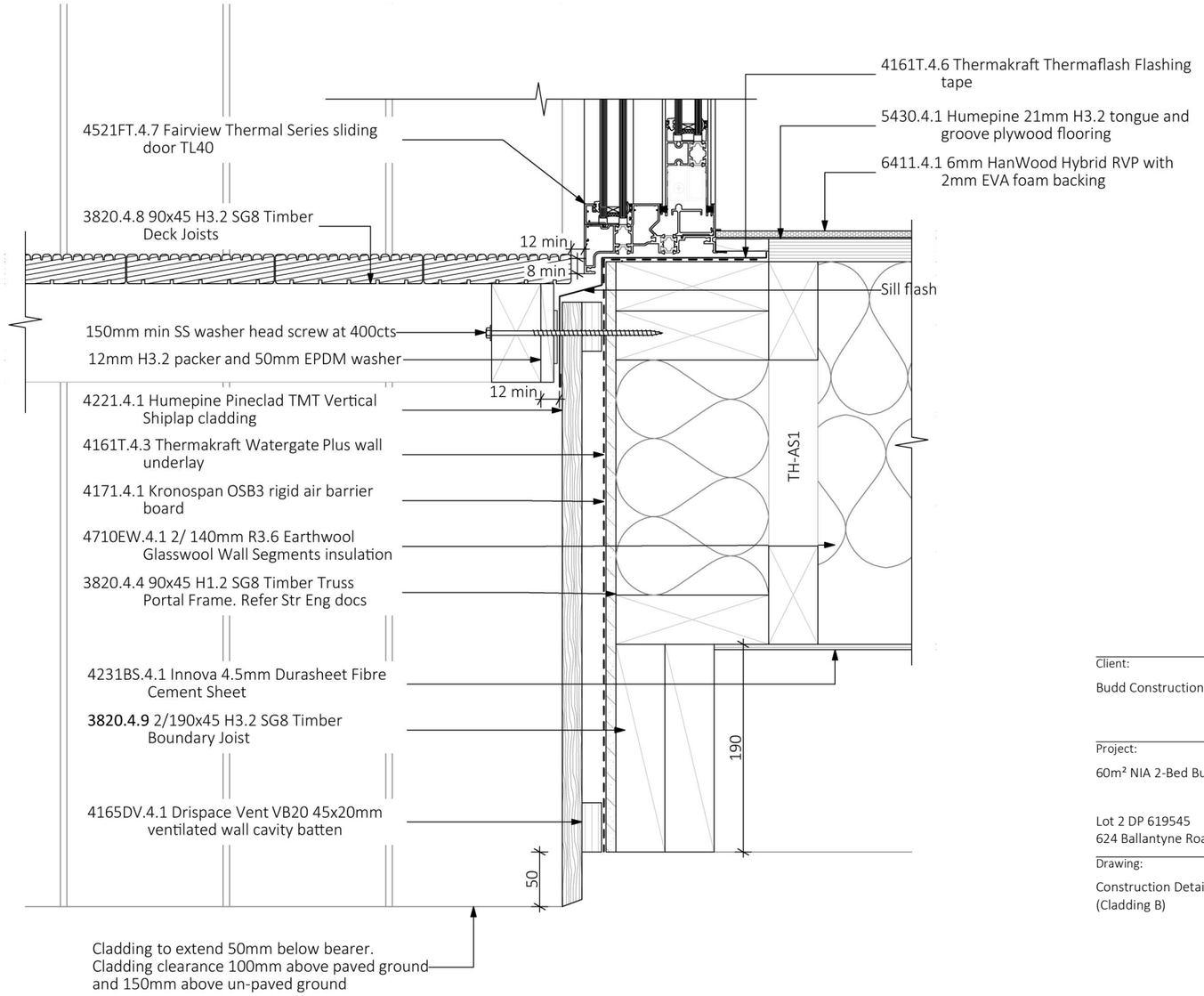
Project Number: OPP-31903187

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D-15 Deck Edge - Section Detail

A305 Scale 1:5



D-10 Sliding Door Sill - Section Detail

A305 Scale 1:5

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Construction Details Shiplap (Cladding B)

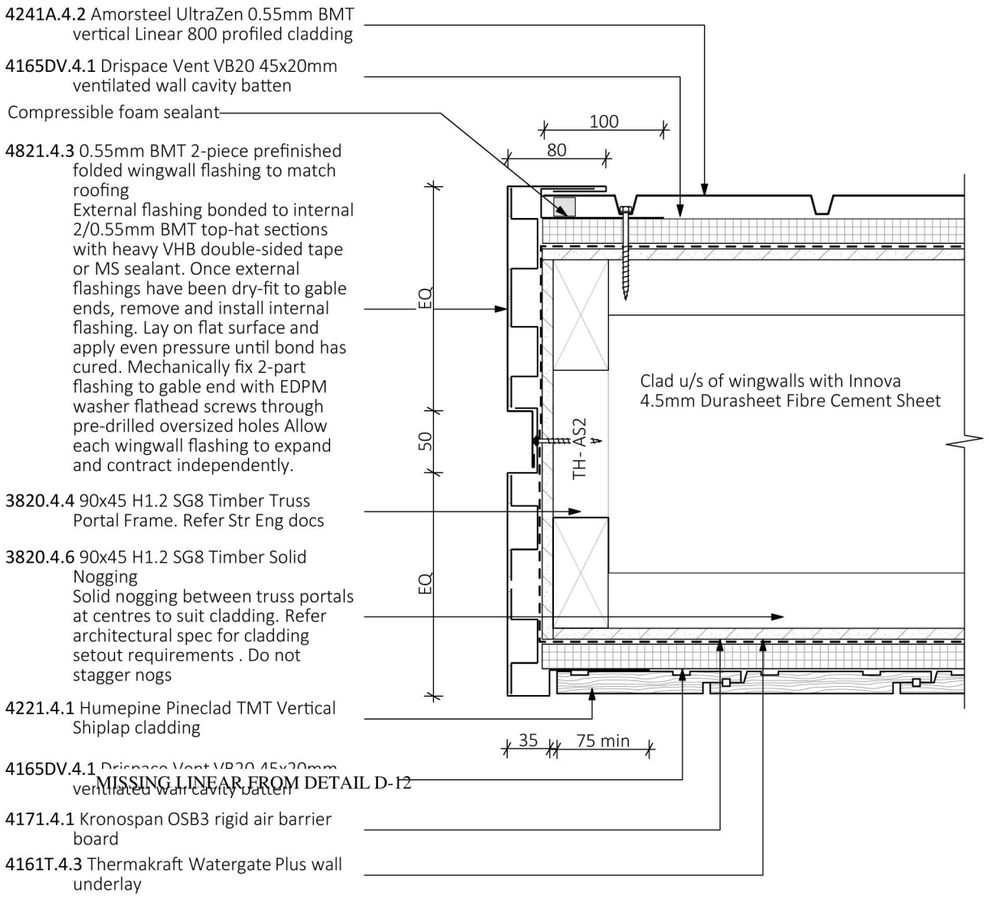
Drawing Number: A512
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

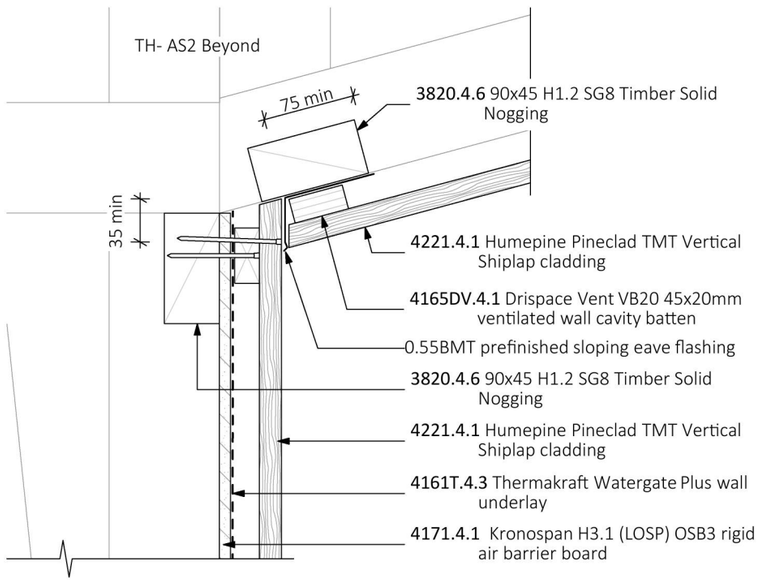
- ALL SETTING OUT, DIMENSIONS & LEVELS MUST BE VERIFIED ON SITE BEFORE COMMENCING WORK
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MISSING LINEAR FROM DETAIL D-12

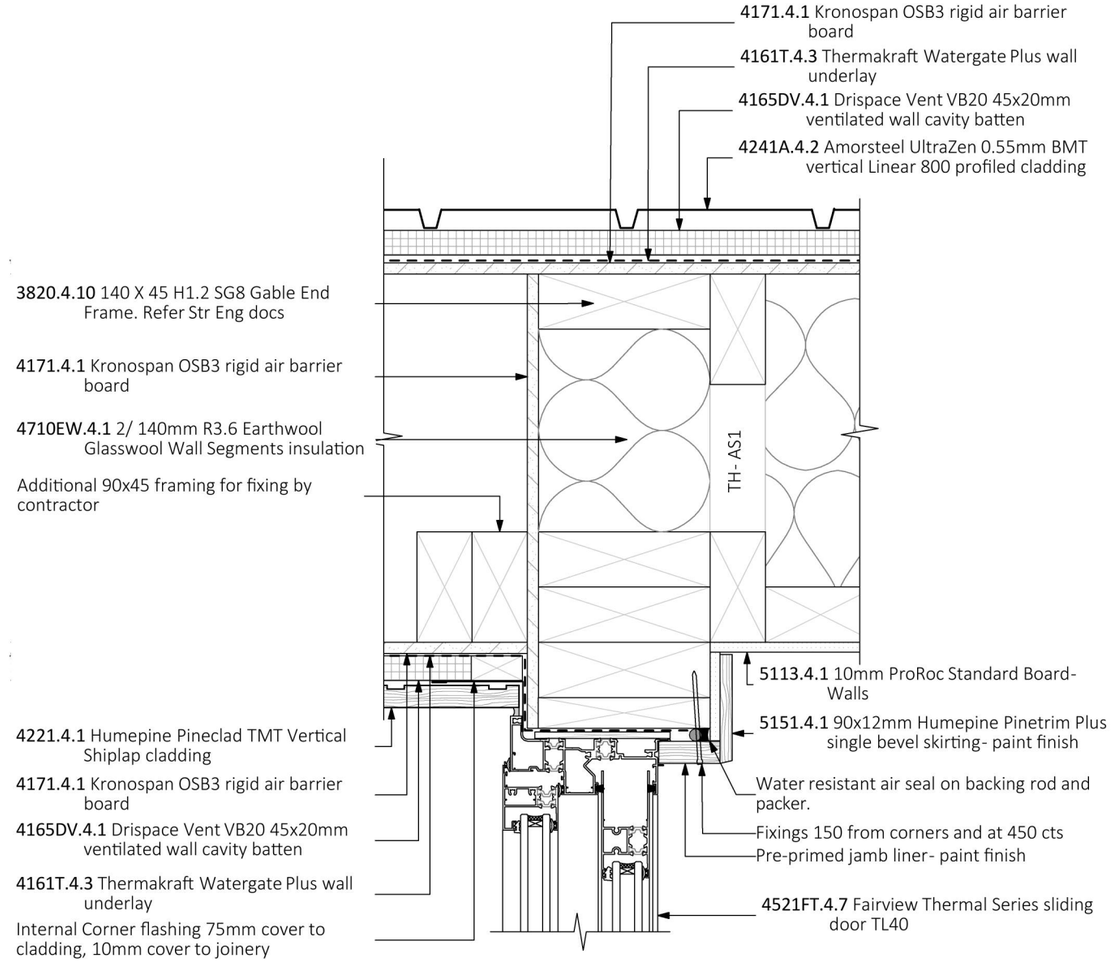
D-13 Wing Wall Flashing - Plan Detail

A203 Scale 1:5



D-14 Soffit Flashing - Section Detail

A301 Scale 1:5



D-12 Sliding Door to Deck Jamb - Plan Detail

A203 Scale 1:5

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Construction Details Shiplap (Cladding B)

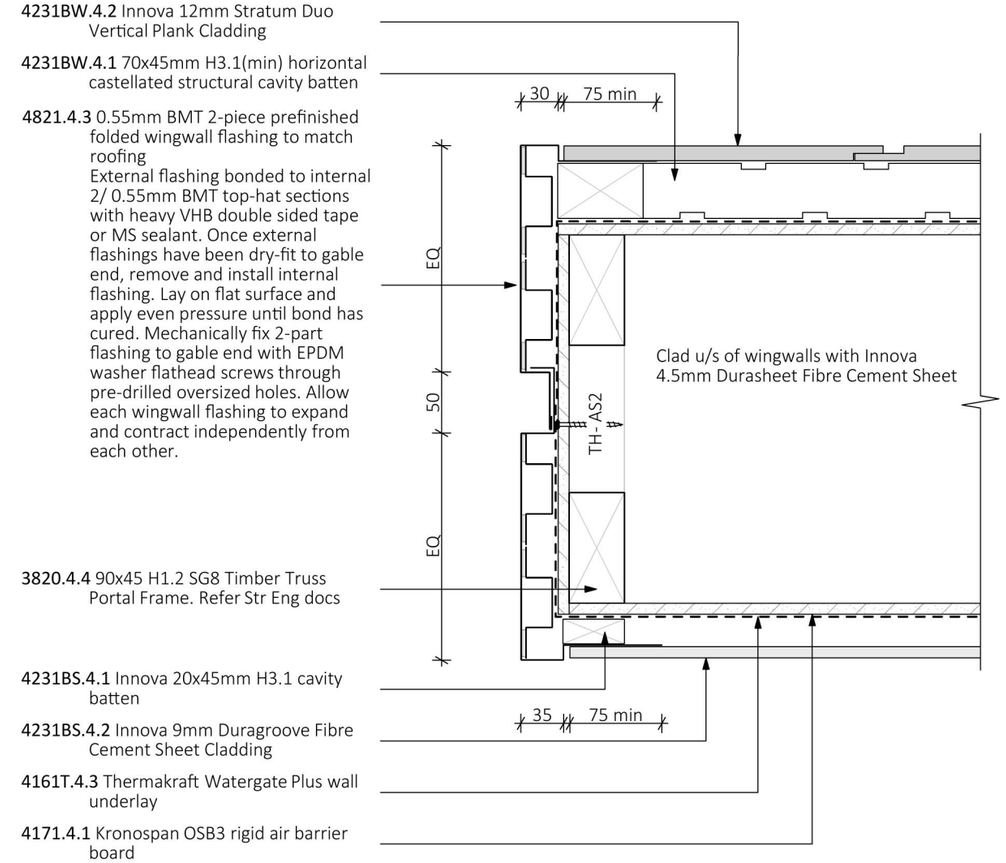
Drawing Number: A514
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

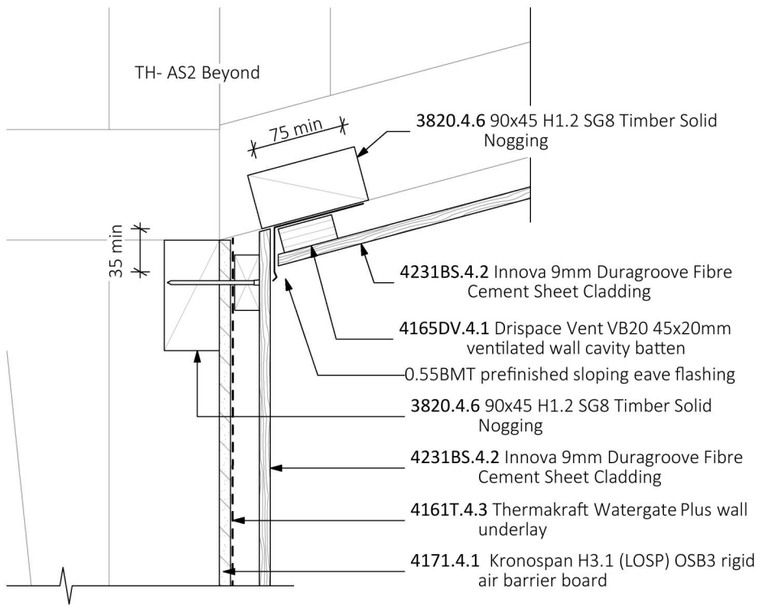
- ALL SETTING OUT, DIMENSIONS & LEVELS MUST BE VERIFIED ON SITE BEFORE COMMENCING WORK
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D-13 Wing Wall Flashing - Plan Detail

A203

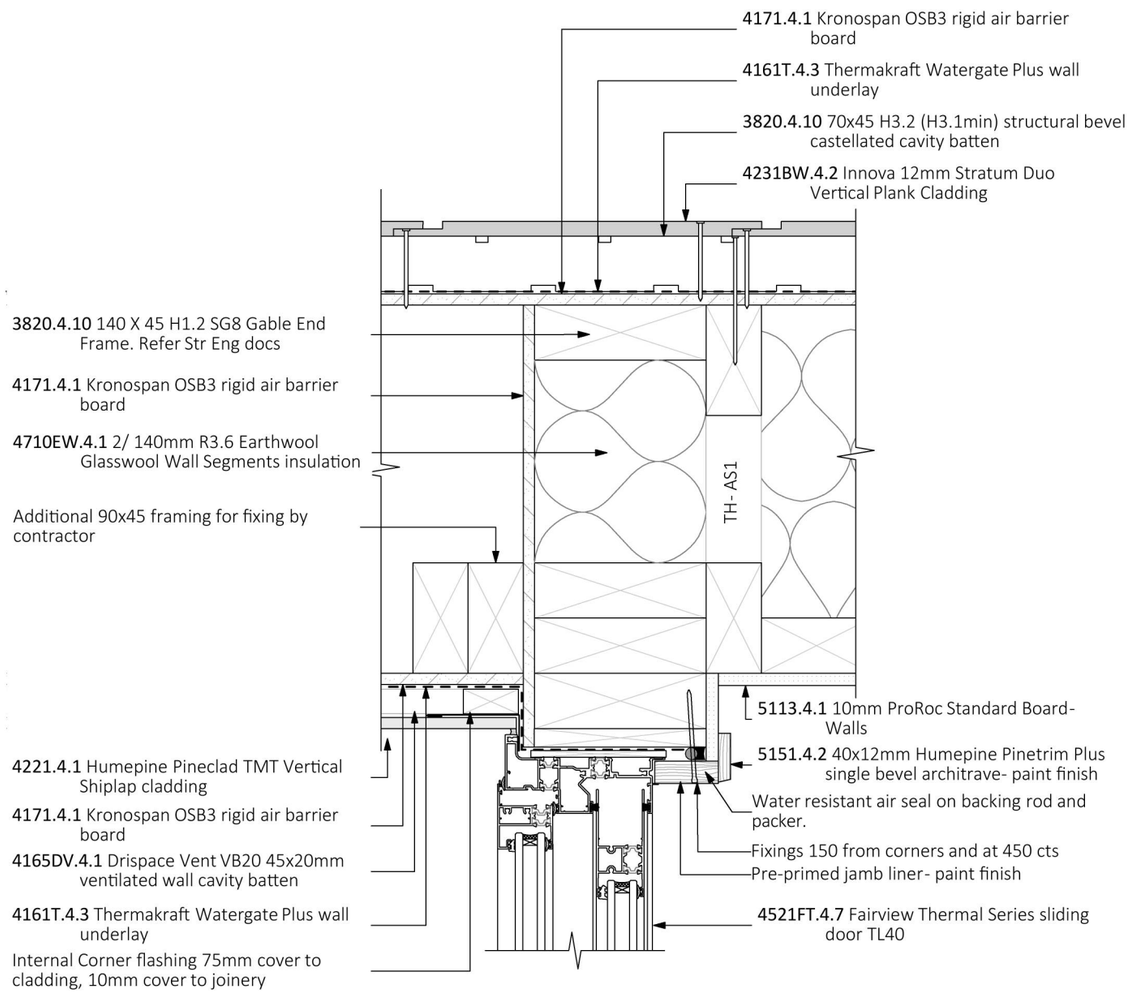
Scale 1:5



D-14 Soffit Flashing - Section Detail

A301

Scale 1:5



D-12 Sliding Door to Deck Jamb - Plan Detail

A203

Scale 1:5

Client:

Budd Construction

Project:

60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:

Construction Details Linear 800 (Cladding A)

Drawing Number: A516

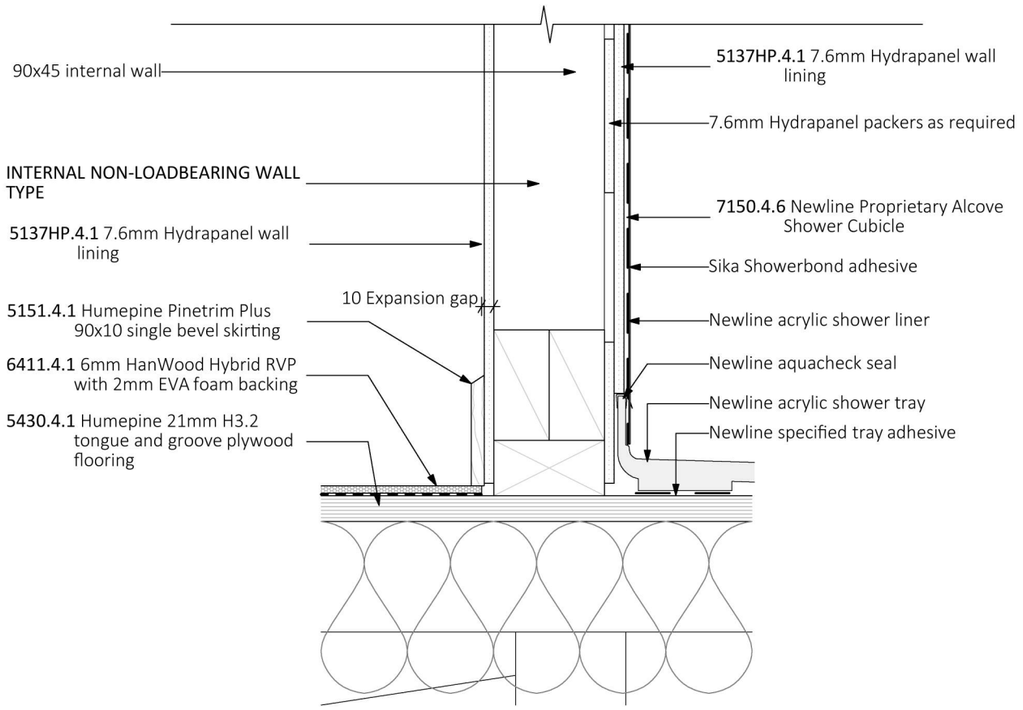
Revision: 02

Revision History:

02 For Consent 28/10/26

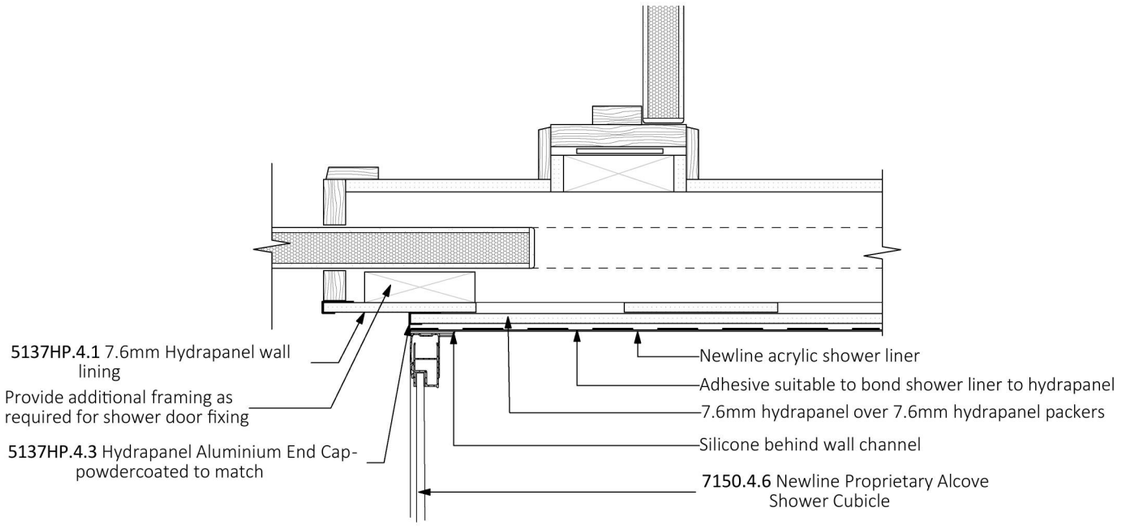
Project Number: OPP-31903187

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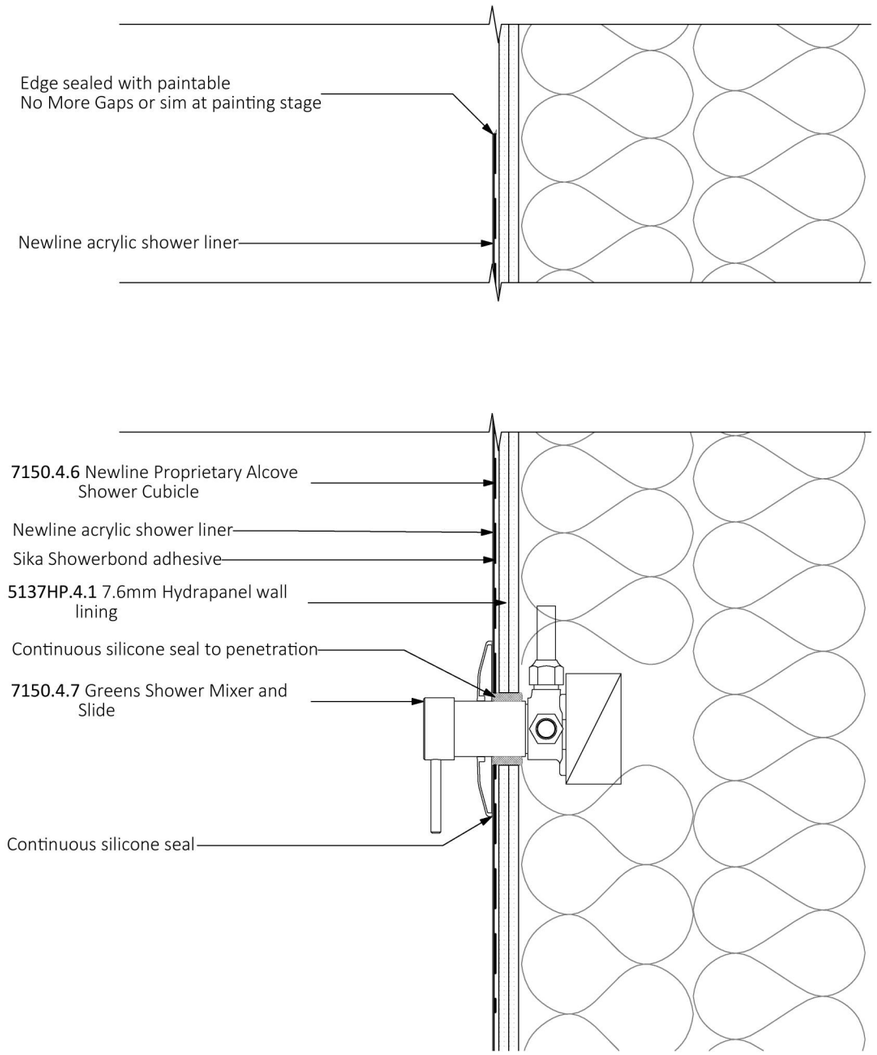
D-30 INT- Shower tray- Section Detail

A203 Scale 1:5



D-32 INT- Shower screen- Plan Detail

A203 Scale 1:5



D-31 INT- Shower penetration- Section Detail

A203 Scale 1:5

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Interior Details - Hydrapanel

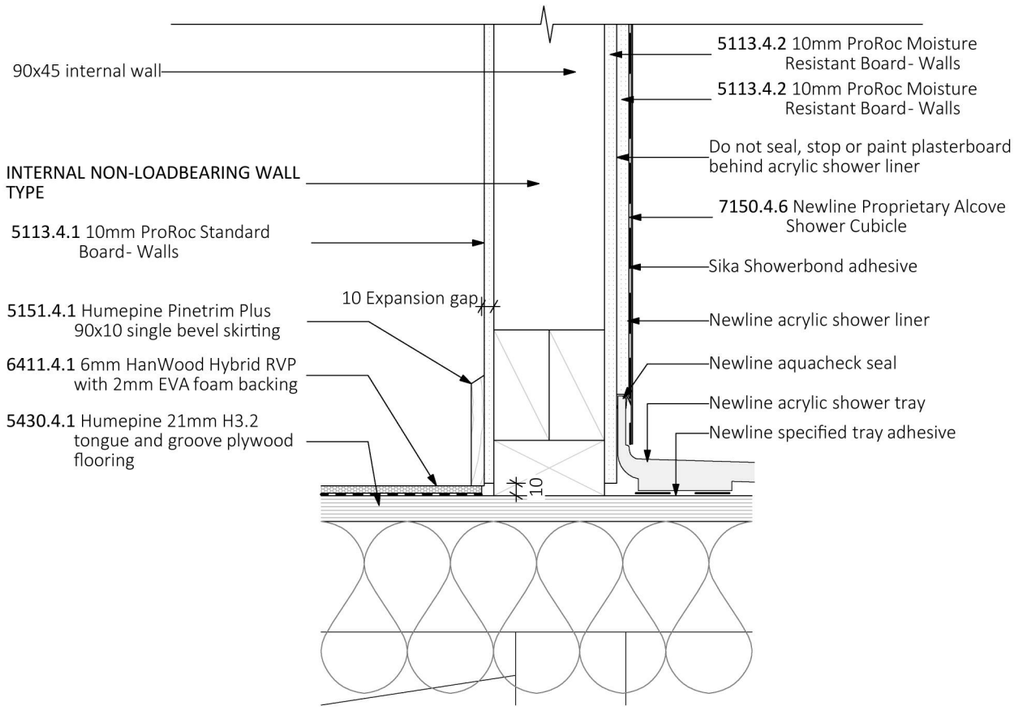
Drawing Number:	Revision:
A520	01

Revision History:

01	Draft Issue	15/10/26

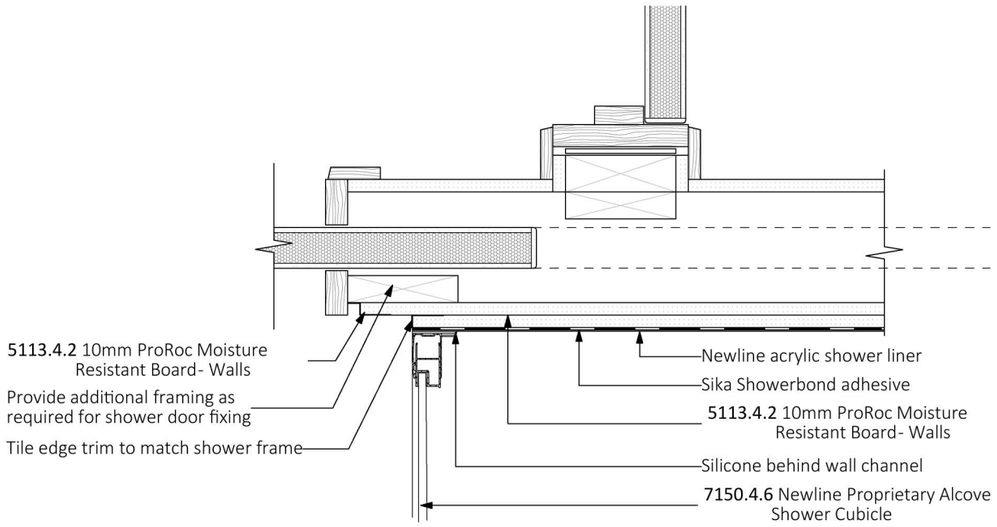
Project Number: OPP-31903187

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- THIS DRAWING MUST NOT BE SCALED



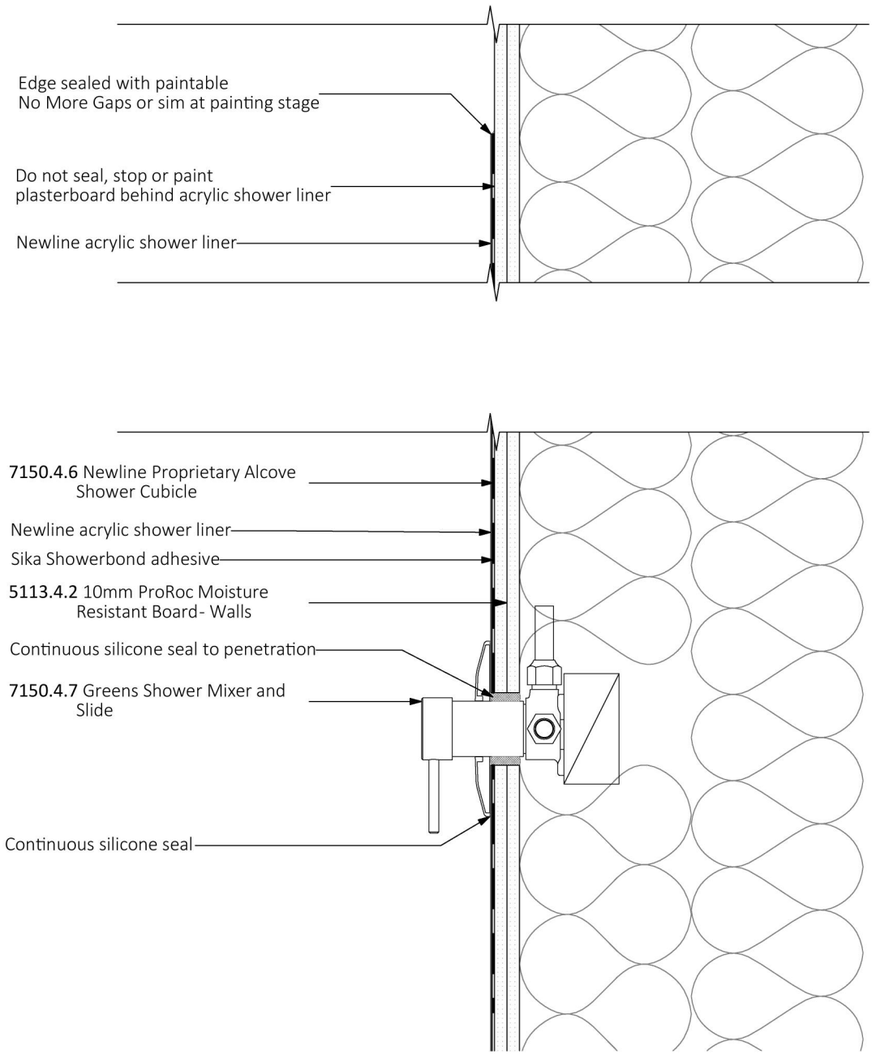
D-30 INT- Shower tray- Section Detail

A203 Scale 1:5



D-32 INT- Shower screen- Plan Detail

A203 Scale 1:5



D-31 INT- Shower penetration- Section Detail

A203 Scale 1:5

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Interior Details - ProRoc

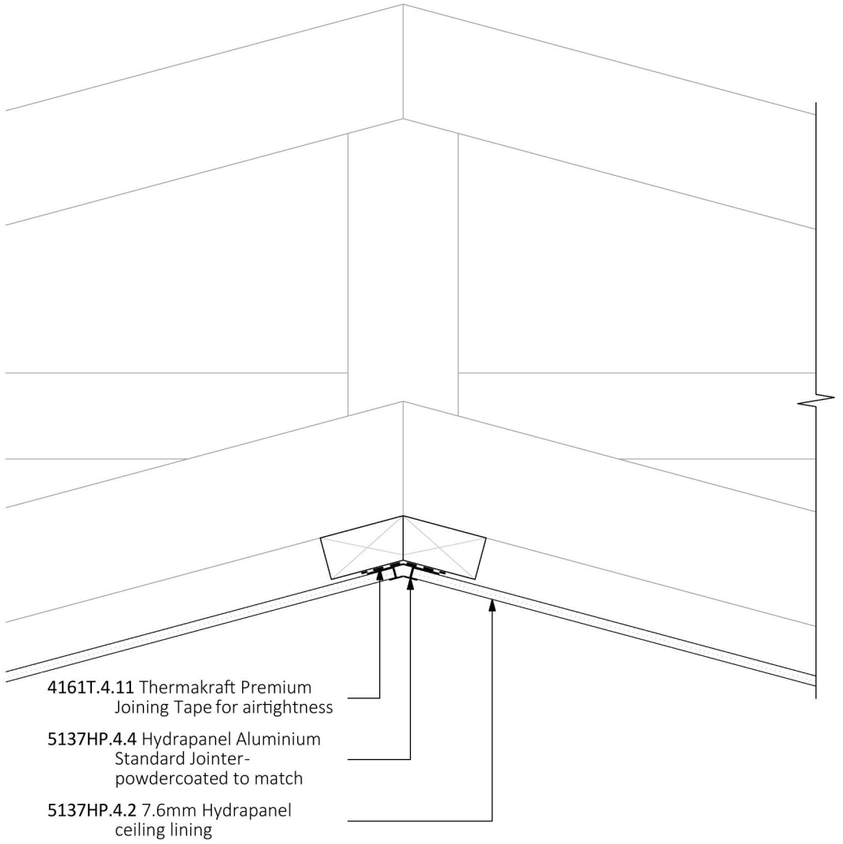
Drawing Number: A521
Revision: 01

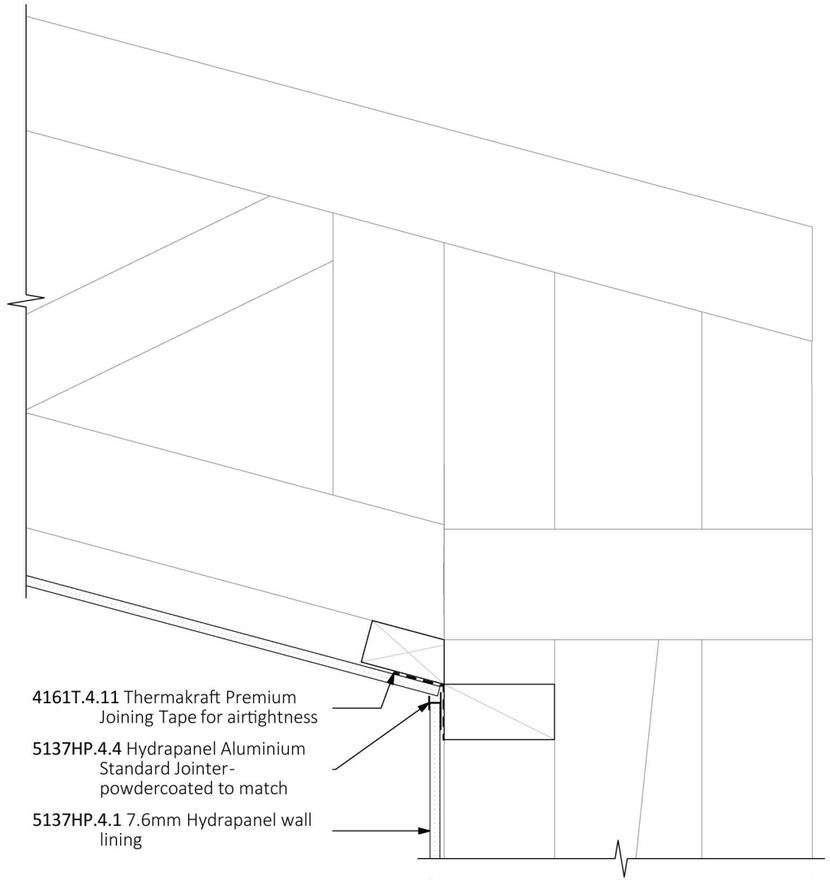
Revision History:

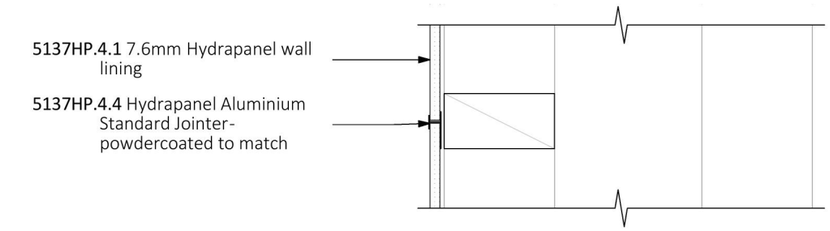
01	Draft Issue	15/10/26

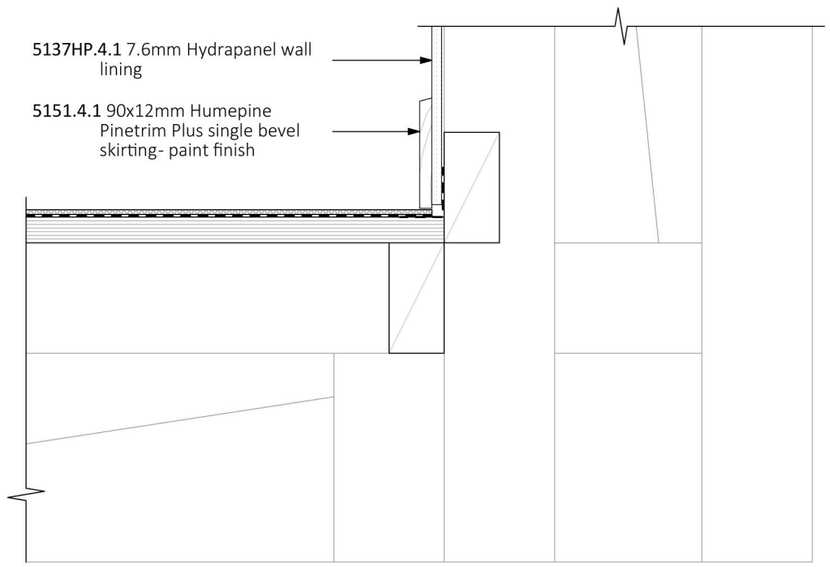
Project Number: OPP-31903187

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D-33 Hydrapanel Junctions Details

-

Scale 1:5

Client:

Budd Construction

Project:

60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:

Interior Details - Hydrapanel Junctions

Drawing Number:	Revision:
A522	01

Revision History:

01	Draft Issue	15/10/26

Project Number: OPP-31903187

- ALL SETTING OUT, DIMENSIONS & LEVELS MUST BE VERIFIED ON SITE BEFORE COMMENCING WORK
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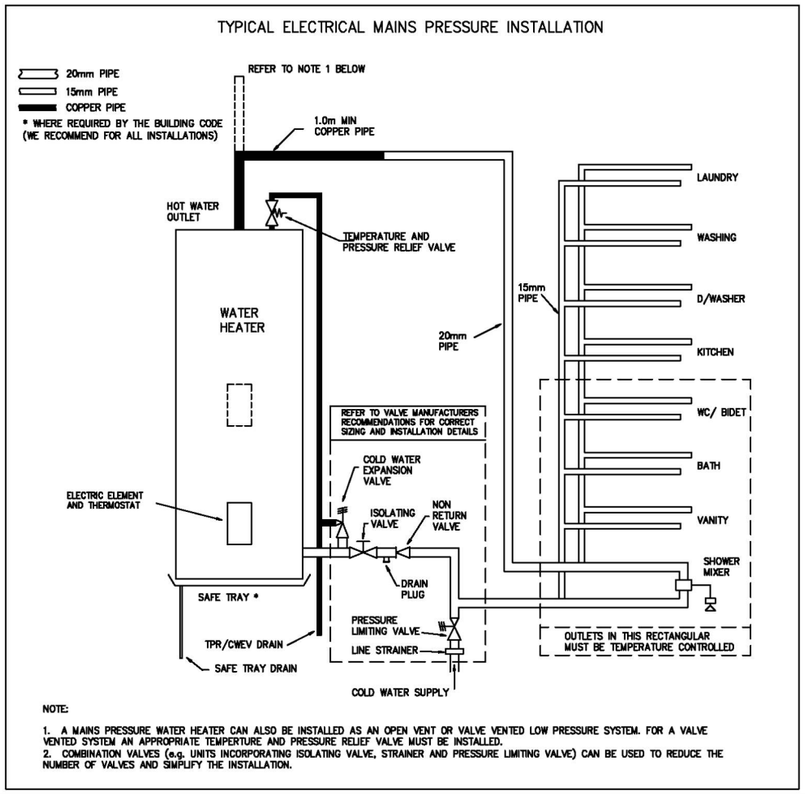


DIAGRAM 2:

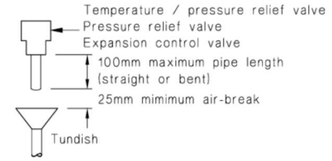
CONNECTIONS - ELECTRICAL

The electrical installation must be completed in accordance with AS/NZS 3000. All water heaters are designed for 230 VAC, 50 Hz mains operation and a means of disconnection from the power supply must be incorporated in the fixed wiring during installation.

A flexible 20 mm conduit is required for the electrical cable to the water heater. The conduit is to be connected to the unit with a 20 mm plain to screw adaptor. Connect the power supply wires directly to the terminal block and earth tab connection, ensuring there are no excess wire loops inside the front cover. For details, refer to the wiring diagram on the inside of the element cover. **A separate heating element earth wire is not required because the element earths by the thread of the element boss or the flange being in contact with the element socket.**

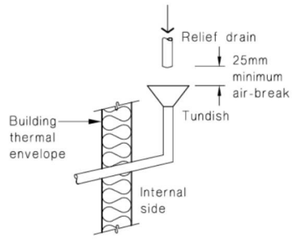
D01 Installation diagram from MPVE_installation
#LayID

Figure 12: Relief Valve Drains – Freezing Protection
Paragraphs 6.7.1, 6.7.4 and 6.7.5



(a) Storage water heater located where freezing likely

e.g. External to building thermal envelope in cold climates



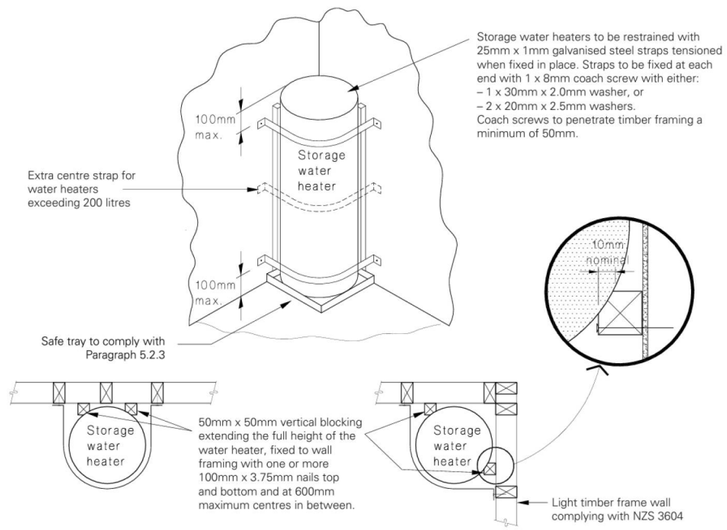
(b) Relief drain located where freezing likely

e.g. Internal storage water heater with drain discharging externally (See figure 13 also)

Note: Tundishes and tundish drains shall be sized and installed to prevent overflow when the relief valve discharges.

D03 G12 AS1 Fig 12 Relief Valve Drains Freezing Protection
-

Figure 14: Seismic Restraint of Storage Water Heaters 90 – 360 litres
Paragraph 6.11.4



Notes:

1. An additional centre strap is required where a *storage water heater* is located more than 12 m above finished ground level.
2. Additional timber framing may be required in retrofit situations to ensure adequate strap fixing is available.
3. Straps shall not be installed where they clash with water heater inlets, outlets or controls.
4. Where the 100 mm maximum strap distance from the top or bottom of the *storage water heater* cannot be achieved, straps may be placed within the top and bottom 25% with one additional strap placed centrally for water heaters < 200 litres, and two additional evenly spaced straps for water heaters 200 - 360 litres.
5. A maximum total of four straps are required when complying with both Note 1 and Note 4.

D02 Fig 14 Seismic Restraint of Storage Water Heaters 90 to 360 litres
#LayID

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Hot Water Cylinder Details

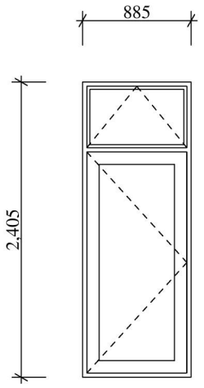
Drawing Number: A523
Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

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o THIS DRAWING MUST NOT BE SCALED

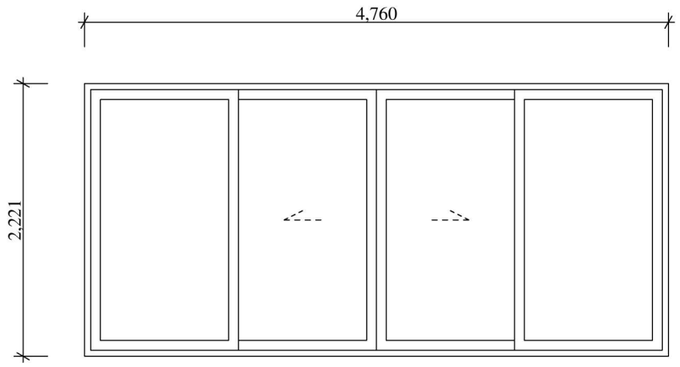


D1

DIMENSIONS TO ROUGH OPENING

Refer Architetcural Spec 4521FT

Door Type	Exterior Thermally Broken Aluminium Door - Hinged
	Fairview TL40 - powdercoat finish (Linear 800 cladding)
	Fairview TL40+ - powdercoat finish (Palliside and Stratum cladding)
Glazing	Double glazed - Etched and Argon filled
Hardware	Schlage Kanso Hinged door hardware
Reveals	Solid timber or plywood reveals - paint finish



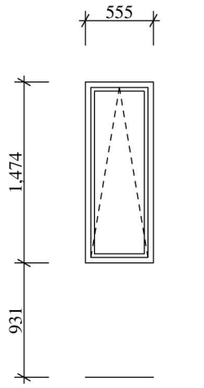
D2

DIMENSIONS TO ROUGH OPENING

INCREASE R/O WIDTH BY 20mm WITH DURAGROOVE CLADDING TYPE B

Refer Architetcural Spec 4521FT

Door Type	Exterior Thermally Broken Aluminium Door - Sliding
	Fairview TL40 - powdercoat finish
Glazing	Double glazed - Solace Low-E and Argon filled
Hardware	Schlage Kanso Sliding door 300mm In-line pull handle. Powdercoat finish to match
Reveals	Solid timber or plywood reveals - paint finish

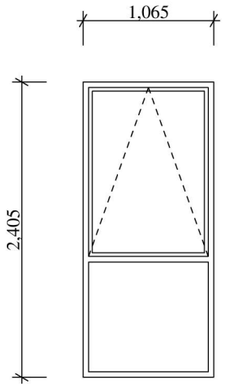


W1

DIMENSIONS TO ROUGH OPENING

Refer Architetcural Spec 4521FT

Window Type	Exterior Thermally Broken Aluminium Window - Awning
	Fairview TL40 - powdercoat finish (Linear 800 cladding)
	Fairview TL40+ - powdercoat finish (Palliside and Stratum cladding)
Hardware	Schlage Kanso High profile - Venting Window fastener. Powdercoat finish to match
Glazing	Double glazed - Solace Low-E and Argon filled
Reveals	Solid timber or plywood reveals - paint finish

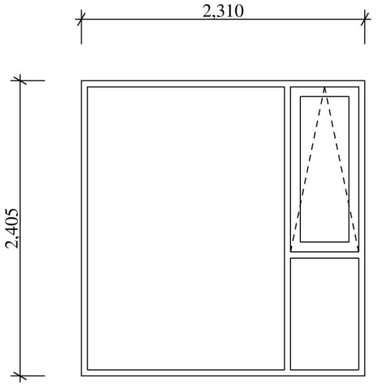


W2

DIMENSIONS TO ROUGH OPENING

Refer Architetcural Spec 4521FT

Window Type	Exterior Thermally Broken Aluminium Window - Awning
	Fairview TL40 - powdercoat finish (Linear 800 cladding)
	Fairview TL40+ - powdercoat finish (Palliside and Stratum cladding)
Hardware	Schlage Kanso High profile - Venting Window fastener. Powdercoat finish to match
Glazing	Double glazed - Solace Low-E and Argon filled
Reveals	Solid timber or plywood reveals - paint finish

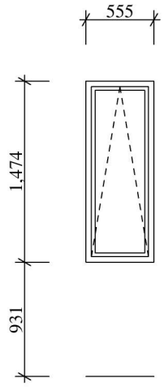


W3

DIMENSIONS TO ROUGH OPENING

Refer Architetcural Spec 4521FT

Glazing	Double glazed - Solace Low-E and Argon filled
Window Type	Exterior Thermally Broken Aluminium Window - Awning
	Fairview TL40 - powdercoat finish (Linear 800 cladding)
	Fairview TL40+ - powdercoat finish (Palliside and Stratum cladding)
Hardware	Schlage Kanso High profile - Venting Window fastener. Powdercoat finish to match
Reveals	Solid timber or plywood reveals - paint finish

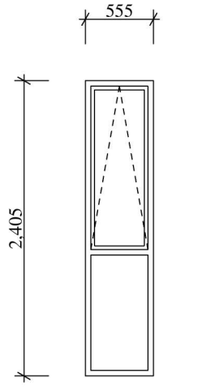


W4

DIMENSIONS TO ROUGH OPENING

Refer Architetcural Spec 4521FT

Window Type	Exterior Thermally Broken Aluminium Window - Awning
	Fairview TL40 - powdercoat finish (Linear 800 cladding)
	Fairview TL40+ - powdercoat finish (Palliside and Stratum cladding)
Glazing	Double glazed - Etched and Argon filled
Hardware	Schlage Kanso High profile - Venting Window fastener. Powdercoat finish to match
Reveals	Solid timber or plywood reveals - paint finish



W5

DIMENSIONS TO ROUGH OPENING

Refer Architetcural Spec 4521FT

Window Type	Exterior Thermally Broken Aluminium Window - Awning
	Fairview TL40 - powdercoat finish (Linear 800 cladding)
	Fairview TL40+ - powdercoat finish (Palliside and Stratum cladding)
Glazing	Double glazed - Etched and Argon filled
Hardware	Schlage Kanso High profile - Venting Window fastener. Powdercoat finish to match
Reveals	Solid timber or plywood reveals - paint finish

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Exterior Door & Window Schedule

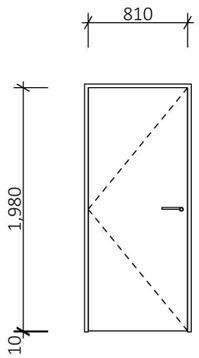
Drawing Number: A601
Revision: 02

Revision History:

02	For Consent	28/10/26

Project Number: OPP-31903187

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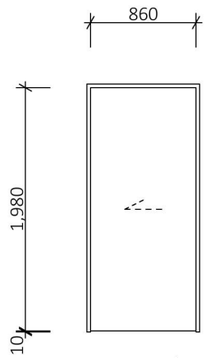


ID4, ID5

DIMENSIONS TO LEAF SIZE

Door Type	Interior Door- hinged- paint finish
Door Leaf	Hume Doors Accent HAG11 Hollowcore Interior Door- Square Groove- paint finish
Hardware	Client specified lever handle
	Handle height 1000 above FFL
Door Jamb	Standard frame with planted stop and architraves- paint finish

Refer Architectural Spec 5230



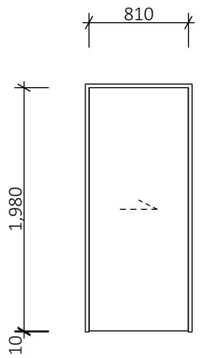
item as shown (ID6); item handed (ID8)

DIMENSIONS TO LEAF SIZE

Door Leaf	Hume Doors Accent HAG11 Hollowcore Interior Door- Square Groove- paint finish
Hardware	Handle height 1000 above FFL
Door Jamb	Standard frame with planted stop and architraves- paint finish

Refer Architectural Spec 5230

Door Type	Interior Door- cavity slider- paint finish
Hardware	Client specified recessed pull handle

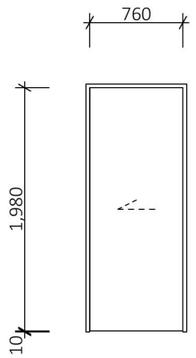


ID7

DIMENSIONS TO LEAF SIZE

Refer Architectural Spec 5230

Door Leaf	Hume Doors Accent HAG11 Hollowcore Interior Door- Square Groove- paint finish
Hardware	Handle height 1000 above FFL
	Client specified recessed pull handle with privacy lock
Door Jamb	Standard frame with planted stop and architraves- paint finish
	No architraves to bathroom side
Door Type	Interior Door- cavity slider- paint finish

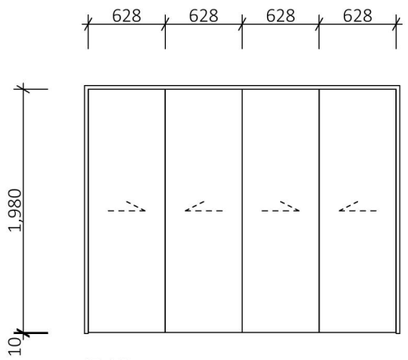


ID9

DIMENSIONS TO LEAF SIZE

Refer Architectural Spec 5230

Door Leaf	Hume Doors Accent HAG11 Hollowcore Interior Door- Square Groove- paint finish
Hardware	Handle height 1000 above FFL
	Client specified recessed pull handle with privacy lock
Door Jamb	Standard frame with planted stop and architraves- paint finish
Door Type	Interior Door- cavity slider- paint finish



ID10

DIMENSIONS TO LEAF SIZE

Refer Architectural Spec 5230

Door Leaf	Hume Doors Accent HAG11 Hollowcore Interior Door- Square Groove- paint finish
Hardware	Client specified lever handle
	Handle height 1000 above FFL
Door Jamb	Standard frame with planted stop and architraves- paint finish
Door Type	Interior Door- Robemakers wardrobe door- paint finish

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
Interior Door Schedule

Drawing Number: A602
Revision: 02

Revision History:

02	For Consent	28/10/26

Project Number: OPP-31903187

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Truss Portal - Floor 60m² — 5.76 m²°C/W

Type: Floor: Suspended Floor with Lining under the Joists & Gap above or below the Insulation

Suspended Floor with Lining under the Joists & Gap above or below the Insulation [view detail]

internal surface 0.09

Flooring : generic - Plywood 21mm
R-value: 0.15

Timber Frame & Cavity : 190+ mm joists @ 600mm

Floor Frame Area: 7.5% | *Cavity Area: 92.5%*

Framing : *R-value: 1.56*

Insulation : 6.4

air gap 0.20

Thermal Break : generic - Airgap, downward heatflow (floor) 20-50mm
R-value: 0.18

Floor Lining : James Hardie Hardiflex 4.5mm
R-value: 0.03

surface 0.03

Insulation value of the subfloor space

Suspended floor area [m²]: 59.8

Perimeter length [m]: 34.21

Perimeter height [m]: 0.35

Perimeter type: Exposed floor (pole house)

Truss Portal - Walls 60m² — 4.85 m²°C/W

Type: Wall: Timber Frame with vented Cavity

Timber Frame with vented Cavity [view detail]

external surface 0.03

Cladding : Pallisade (Cellular uPVC Weatherboard)
R-value: 0.18

Air Barrier : generic - Plywood 9mm
R-value: 0.07

Timber Frame & Cavity : 140mm, studs @ 600mm, no dwangs

Wall Frame Area: 11.0% | *Cavity Area: 89.0%*

15-90mm vented cavity (all R-values on ext. side of cavity will be halved), R: 0.08

15-90mm vented cavity (all R-values on ext. side of cavity will be halved), R: 0.08

Framing : *R-value: 1.17*

Insulation : 6.4

still Airgap: 20-90mm airgap (non-reflective)
R-value: 0.16

Wall Lining : generic - MDF 9mm
R-value: 0.08

internal surface 0.09

140mm Framing - Walls 60m² — 3.09 m²°C/W

Type: Wall: Timber Frame with vented Cavity

Timber Frame with vented Cavity [view detail]

external surface 0.03

Cladding : Pallisade (Cellular uPVC Weatherboard)
R-value: 0.18

Air Barrier : generic - Plywood 9mm
R-value: 0.07

Timber Frame & Cavity : 140mm, studs @ 600mm, dwangs @ 800mm

Wall Frame Area: 14.4% | *Cavity Area: 85.6%*

15-90mm vented cavity (all R-values on ext. side of cavity will be halved), R: 0.08

15-90mm vented cavity (all R-values on ext. side of cavity will be halved), R: 0.08

Framing : *R-value: 1.17*

Insulation : 3.2

still Airgap: 20-90mm airgap (non-reflective)
R-value: 0.16

Wall Lining : generic - MDF 9mm
R-value: 0.08

internal surface 0.09

Truss Portal - Roof 60m² — 4.49 m²°C/W

Type: Roof: Timber framed truss Roof, flat Ceiling

Timber framed truss Roof, direct fixed or battened flat Ceiling [view detail]

external surface 0.03

Roofing : generic - Metal corrugate Iron with building paper
R-value: 0.01

Insulation :

Timber Frame & Cavity : 90mm rafters or joists @ 600mm, battens covered with insulation

Roof Frame Area: 7.5% | *Cavity Area: 92.5%*

Roof space (still air) 0.11

Roof space (still air) 0.11

Framing : *R-value: 0.75*

Insulation : 6.4

Insulation covering bottom chord

Ceiling Lining : generic - MDF 9mm
R-value: 0.08

internal surface 0.09

Non-IC-rated recessed downlights

Ceiling Area [m²]: 59.8 Number of downlights: 10 Clearance from lamp holder side [m]:

Project Name

Bunnings Truss House 60m²

Client Name

Bunnings Group Ltd

Territorial Authority

Invercargill City Council

Climate Zone: H1 5th Edition 6

+

Proposed Building			**Total heat loss (W/K):**	**91.5**	
			Glazing area to total wall area ratio:	**28.0%**	
			Compliant:	**Yes, the proposed building heat loss is less than the reference heat loss**	
Building element type	**Description**	**Net area (m2)**	**Construction R-value**	**Heat loss (W/K)**	
Floor other than slab-on-ground	350 Truss Portal	59.8	5.76	10.4	–
Wall	300 Truss Portal	52.17	4.85	10.8	–
Wall	140 Frame	11.17	3.09	3.6	–
Window or glazed door	TL40/TL40+	24.58	0.46	53.4	–
Roof	400 Truss Portal	59.8	4.49	13.3	–

Reference Building			**Total heat loss (W/K):** **112.5**
Building element type	**Net area (m2)**	**Construction R-value**	**Heat loss (W/K)**
Wall	61.5	2	30.8
Roof	59.8	6.6	9.1
Slab-on-ground floor	0.0	1.7	0.0
Floor other than slab-on-ground	59.8	3	19.9
Window or door	26.4	0.5	52.8

Client:
Budd Construction

Project:
60m² NIA 2-Bed Bunnings Truss House

Lot 2 DP 619545
624 Ballantyne Road, Wānaka

Drawing:
H1 Calculation

Drawing Number: A701 Revision: 02

Revision History:

02 For Consent 28/10/26

Project Number: OPP-31903187

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