

Mintaro Hut Wardens Quarters

Detailed Design
September 2019

for Department of Conservation
Project N^o: 1772

SQ Sheet Index

Layout ID	Layout Name	Current Revision ID
01	Cover Sheet	B
02	Site Plan	C
03	Site Plan Stormwater & Sewer	A
04	Floor Plan	C
05	Foundation Plan	B
06	Framing and Setout Plan	B
07	Bracing Plan	B
08	Roof Framing Plan	A
09	Roof Plan	B
10	Plumbing and Gas Plans	A
11	Electrical Plan	B
12	Elevations	C
13	Elevations	C
14	Section A	C
15	Section B	C
16	Section C	B
17	Window and Door Schedule	B
18	Window and Door Schedule	A
19	Window Installation Details (typical)	A
20	Louvre Details	A
21	Exterior Door Details	A
22	Roof Details	A
23	Roof Details	A
24	Deck Post Details	A
25	Floor Edge Details	A
26	Roof Details	A
27	Balustrade Details	B
28	Stair Details	B
29	Individual Bunk	A
30	Individual Bunk Details	A
31	Bed and Food Cupboard	A
32	Wardrobes	A
33	Kitchen Details	A
34	Workshop Bench and Shelf Unit	A
35	Fittings and Furniture Details	A
36	Woodburner and Drying Rack	A
37	Water Tank Details	B
38	Gas Bottle Storage	B
39	3D Views	C



DESIGN CRITERIA:

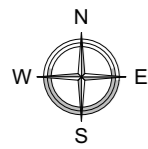
Soil Type:	D
Exposure Zone:	B
Wind Zone:	Very High
Earthquake Zone:	4
Floor Load (Staff Quarters):	1.5 kPa
Floor Load (Decks):	2.0 kPa
Altitude:	620 m
Snow Load:	2.0 kPa



PYNENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



WALL FRAMING

Wall	Framing Size & Centres
North/South	140x45 @ 600c/c
West/East	140x45 @ 600c/c
Internal	90x45 @ 600c/c
Part Height	90x45 @ 600c/c
	2 rows of Dwangs

Floor Area = 55.5m²
 North Deck Area = 10.5m²
 South Deck Area = 5.5m²

Ceiling vent. Refer to specification for type

Ceiling Hatch Refer details

Ceiling hatch

LINTELS

Loaded Dimension of 4m max

Span Framing Size

0 - 1.2m 2/140x45 SG8

1.21-1.6m 2/190x45 SG8

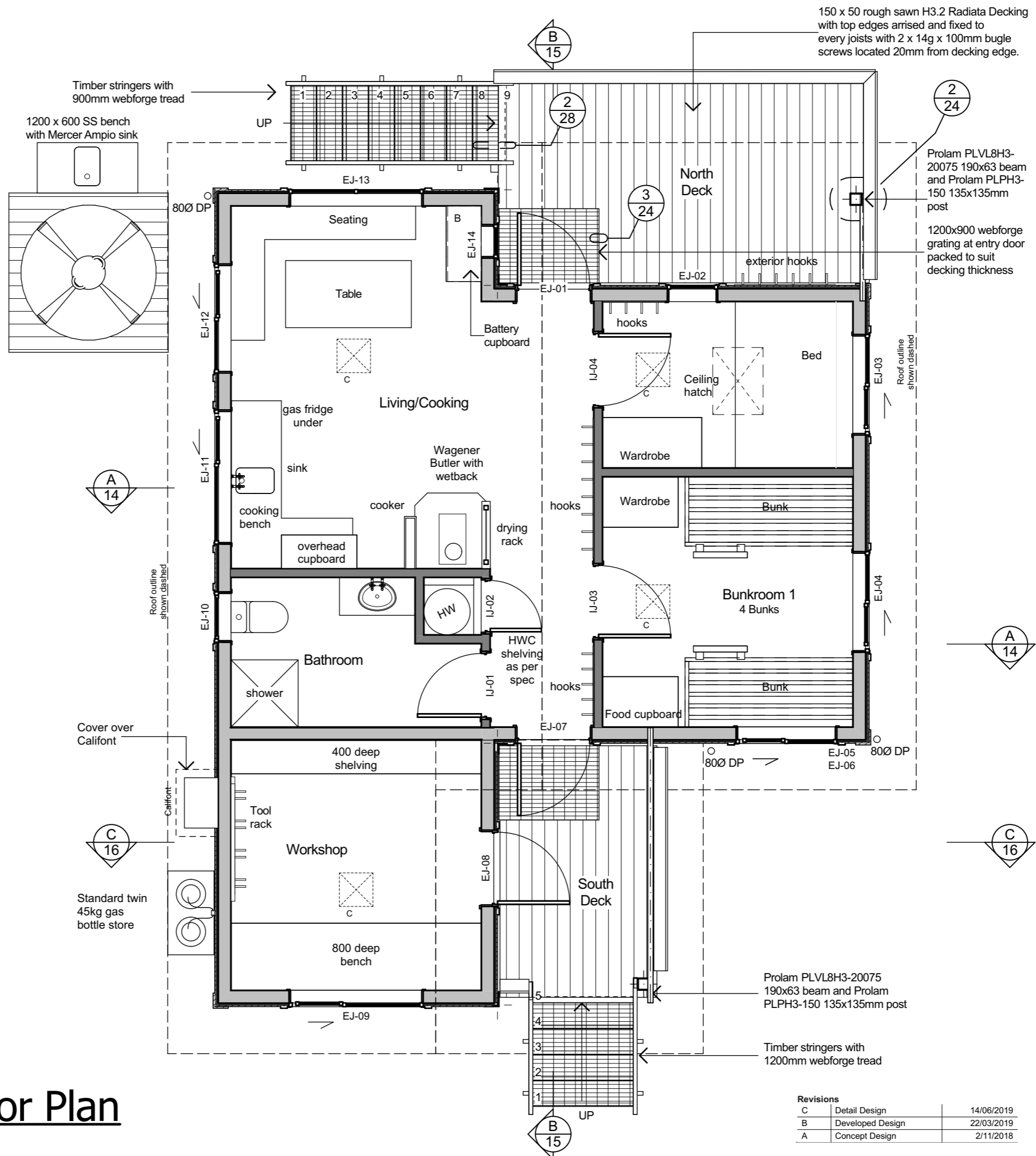
Lintels packed to match wall thickness

WALL INSULATION

Wall	Insulation Type
North/South	PINK BATTS R4.0 insulation batts
West/East	PINK BATTS R4.0 insulation batts

WALL LEGEND

- External Walls**
- 2700x140mm H3.2 timber framed walls with 9mm ECOPLY BD grade untreated wall lining and James Hardie 4.5mm HomeRAB Pre-cladding board
 - Gable height 140mm H3.2 timber framed walls with 9mm ECOPLY BD grade untreated wall lining and James Hardie 4.5mm HomeRAB Pre-cladding board
- Internal Walls**
- Gable height 140mm H3.2 timber framed walls with 9mm ECOPLY BD grade untreated wall lining both side: internally up to ceiling level and 4.5mm Home Rab above roof level
 - 90mm H3.2 timber framed internal walls with 9mm ECOPLY BD grade untreated wall lining to both sides
 - 1200mm high 90mm H3.2 timber framed wing walls lined with 9mm ECOPLY BD grade untreated wall lining and 140x40 timber capping Allow for steel angle fixing brackets



150 x 50 rough sawn H3.2 Radiata Decking with top edges arised and fixed to every joists with 2 x 14g x 100mm bugle screws located 20mm from decking edge.

Prolam PLVL8H3-20075 190x63 beam and Prolam PLPH3-150 135x135mm post

1200x900 webforge grating at entry door packed to suit decking thickness

FOR FITTINGS & FIXTURES DETAILS REFER TO THE FOLLOWING SHEETS

Seating	35
Table	35
Battery Cupboard	11
Cooking Bench	33
Overhead cupboard	33
Wardrobe	32
Cupboards	31
Coat hooks	35
Bunk	29
Bed	31
External sink	37
Workshop shelving	34
Workshop bench	34
Woodburner	36
Drying Rack	36
Stairs	28
Watertank stand	37

PYNEBURG & COLLINS ARCHITECTS

WELLINGTON
 76-86 Manners Street, Wellington 6011
 PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
 1/24 Gasson Street, Sydenham, Christchurch 8023
 PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
 www.pc-architects.co.nz



Client: Department of Conservation
 Project Name: Wardens Quarters
 Project No: 1772
 Milford Track Fiordland National Park

Detailed Design

Drawing Name: Floor Plan

Scale @ A3: 1:50

Drawing No: 04 Revision: C

Revisions		
C	Detail Design	14/06/2019
B	Developed Design	22/03/2019
A	Concept Design	2/11/2018

Warden's Quarters Floor Plan

1:50

STAFF QUARTERS FOUNDATION & FRAMING NOTES

- All piles to be 125x125; min 600mm out of ground.
- All piles to be spaced evenly along bearer line.
- NZS 3604 Braced Pile Foundation System
- Bearers to be 2/140x45 H3.2 SG8.
- Floor joists to be 140x45 H3.2 SG8 @ max 600ctrs.
- Perimeter joists to be 2/140x45 H3.2 SG8 only where walls are parallel to joists
- Provide 90x45 H3.2 blocking to flooring sheet edges (not shown for clarity).
- Provide 2/140x45 H3.2 blocking under all bunk stairs.
- Provide additional 2/140x45 H3.2 joists under walls of smaller bunk rooms.

DECK FOUNDATION & FRAMING NOTES

- All piles to be 125x125; min 600mm out of ground.
- All piles to be spaced evenly along bearer line.
- NZS 3604 Braced Pile Foundation System
- Bearers to South Deck be 2/140x45 H3.2 SG8.
- Bearers to North Deck be 2/190x45 H3.2 SG8.
- Deck joists to be 140x45 H3.2 SG8 @ 400ctrs max.
- Perimeter joists to be 2/140x45 H3.2 SG8 only where barriers to be fixed

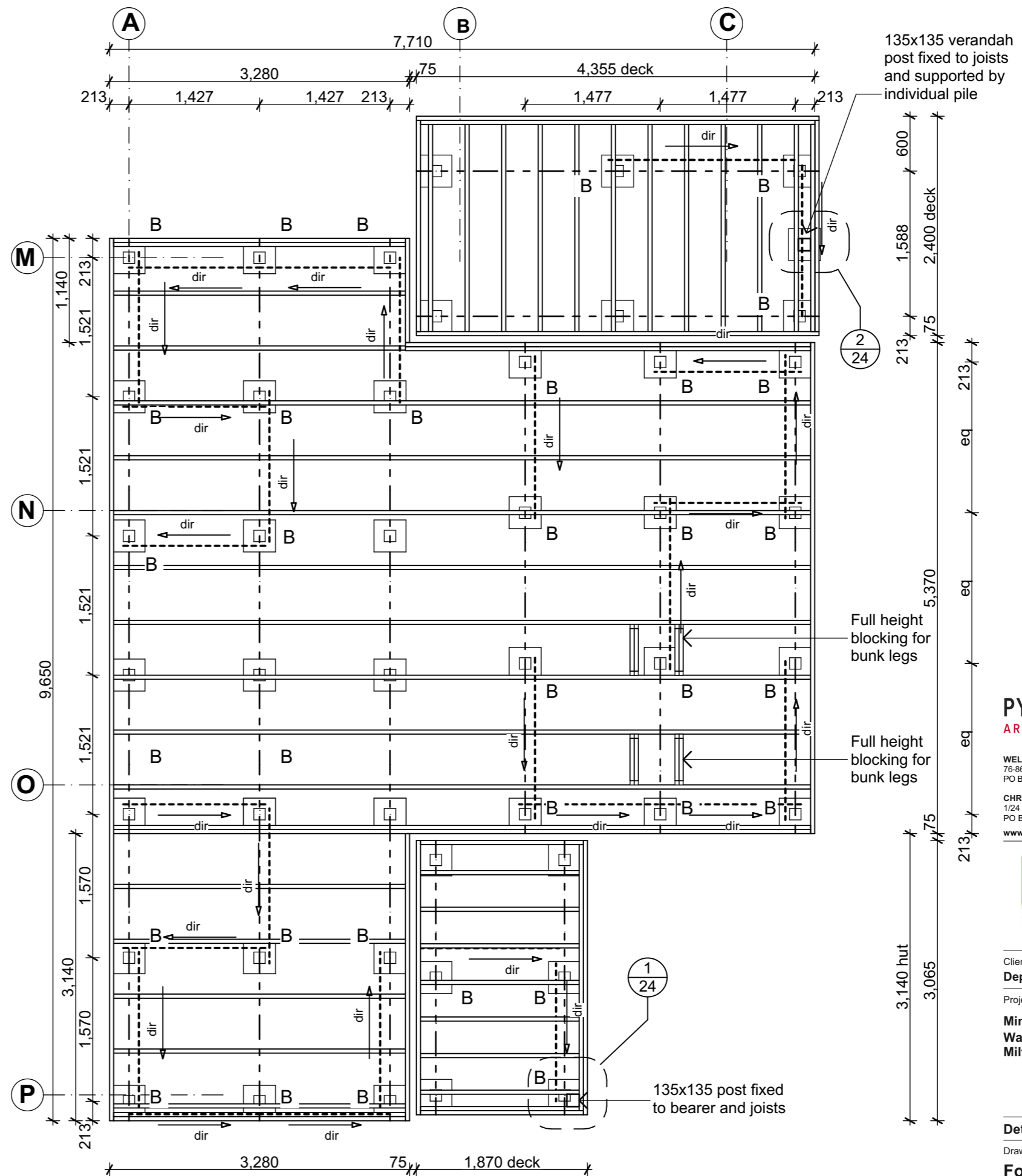
FOUNDATION & FRAMING LEGEND

- Ordinary pile - 350x350x200mm footing
- Braced pile - 350x350x450mm footing
dir = to high point of brace
- Bearer line.
- Joists

Dimensions to centre line of bearers or piles

Deck Bracing

- Half of Light/Light/Light Table 5.8 NZS3604
- South Deck = 6.4m² 48 BUs = 1x Braced Piles each way
- North Deck = 11m² 83 BUs = 1x Braced Piles each way



PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut** Project No: **1772**

Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

Drawing Name:
Foundation Plan

Revisions

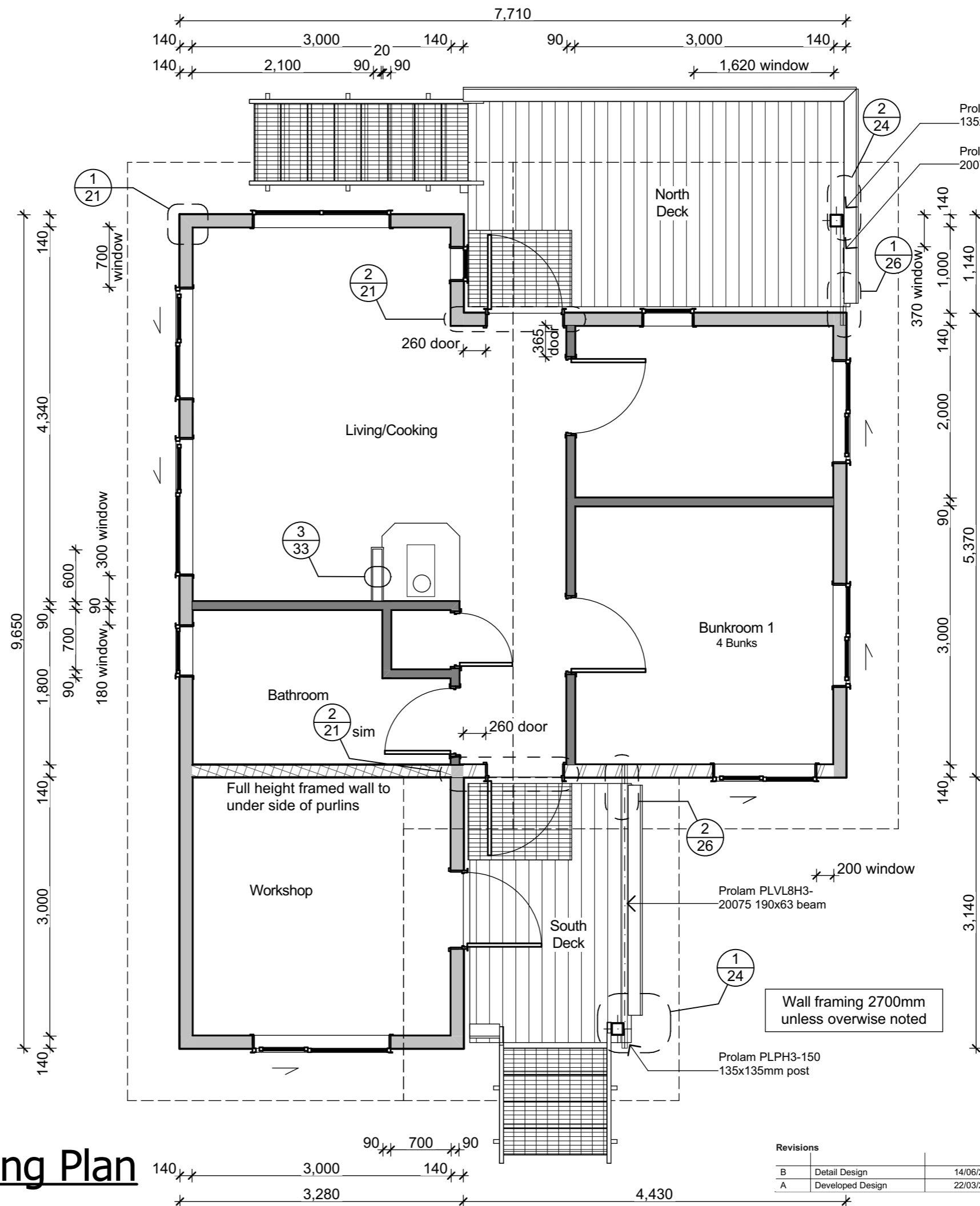
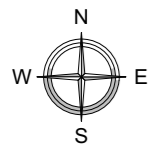
Revision	Description	Date
B	Detail Design	14/06/2019
A	Developed Design	22/03/2019

Scale @ A3: **1:100, 1:50**

Drawing No: **05** Revision: **B**

Wardens' Quarters Foundation Plan

1:50



WALL LEGEND

External Walls

2700x140mm H3.2 timber framed walls with 9mm ECOPLY BD grade untreated wall lining and James Hardie 4.5mm HomeRAB Pre-cladding board

Gable height 140mm H3.2 timber framed walls with 9mm ECOPLY BD grade untreated wall lining and James Hardie 4.5mm HomeRAB Pre-cladding board

Internal Walls

Gable height 140mm H3.2 timber framed walls with 9mm ECOPLY BD grade untreated wall lining both side internally up to ceiling level and 4.5mm Home Rab above roof level

90mm H3.2 timber framed internal walls with 9mm ECOPLY BD grade untreated wall lining to both sides

1200mm high 90mm H3.2 timber framed wing walls lined with 9mm ECOPLY BD grade untreated wall lining and 140x40 timber capping Allow for steel angle fixing brackets

PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut** Project No: **1772**

Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

Drawing Name:
Framing and Setout Plan

Scale @ A3: **1:50**

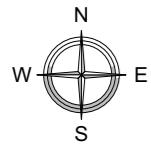
Drawing No: **06** Revision: **B**

Wardens' Quarters Framing Plan

1:50

Revisions

B	Detail Design	14/06/2019
A	Developed Design	22/03/2019

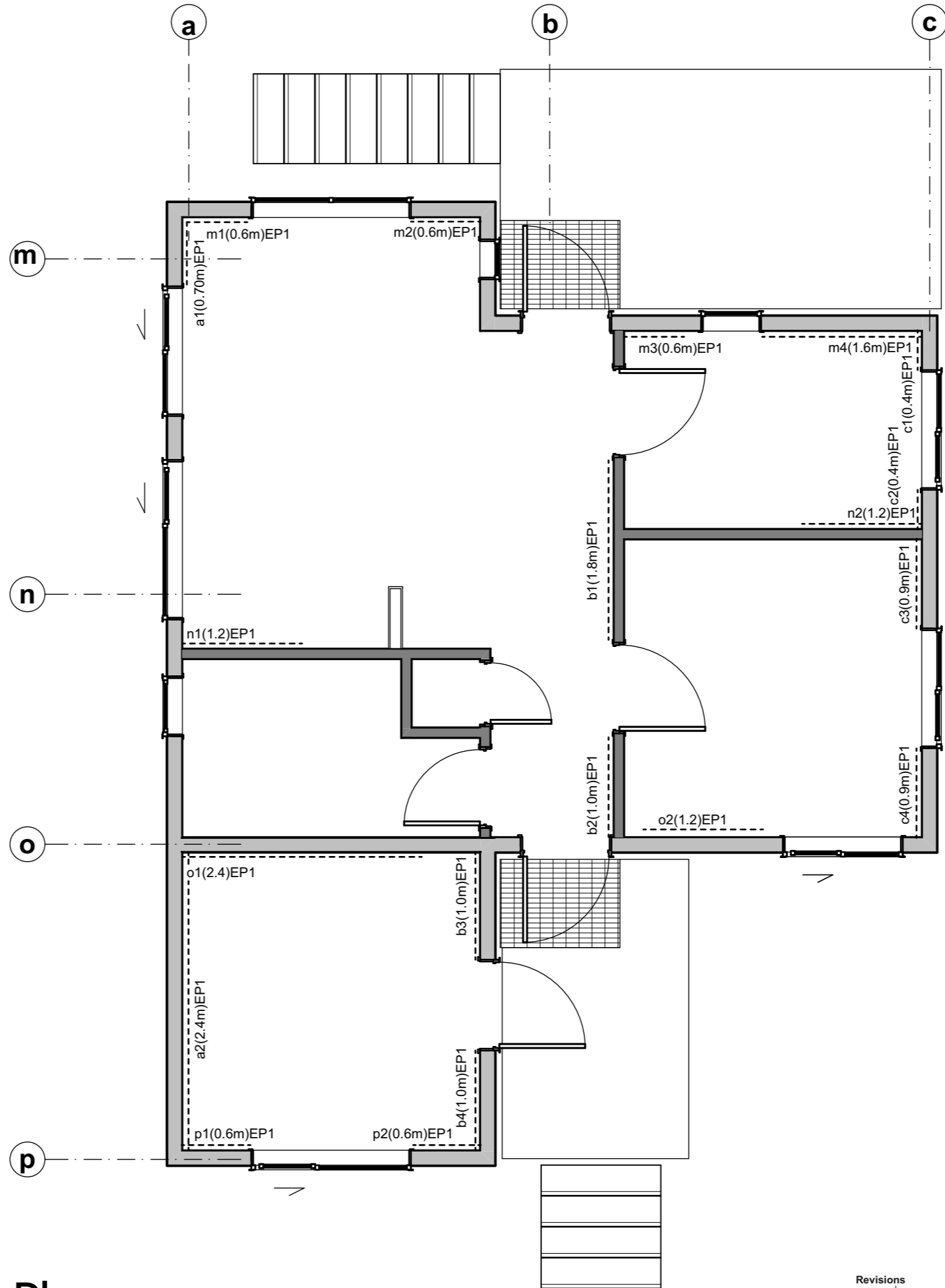
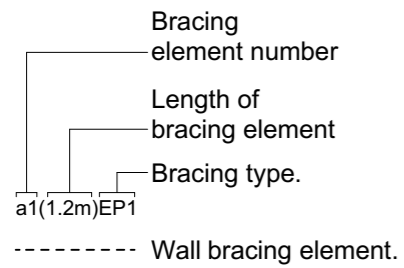


BRACING NOTES

Refer to the Bracing Calculation sheets in the Appendix to the Specification for bracing values.

Roof Braces to be in accordance with Specification Section 3.13 and where shown on Roof Plan Sheet 09

BRACING LEGEND



Wardens' Quarters Bracing Plan

1:50

Revisions		
B	Detail Design	14/06/2019
A	Developed Design	22/03/2019

PYENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut** Project No: **1772**

Wardens Quarters
Milford Track Fiordland National Park

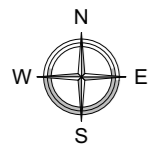
Detailed Design

Drawing Name:

Bracing Plan

Scale @ A3: **1:100, 1:50**

Drawing No: **07** Revision: **B**



140x45mm H3.2 SG 8 flying rafter

Gable truss with lower top chord for outriggers to pass over

190x45mm H3.2 SG 8 shaped end rafter running full length of roof

Roof plane diagonal braces to be cross pairs of Lumberlok strip brace galvanised steel straps with 8KN tension fixed to framing as noted in specification

70 x 45 H3.2 purlins @ 900 c/c max fixed to truss with 1/10g self-drilling screw, 80 mm long

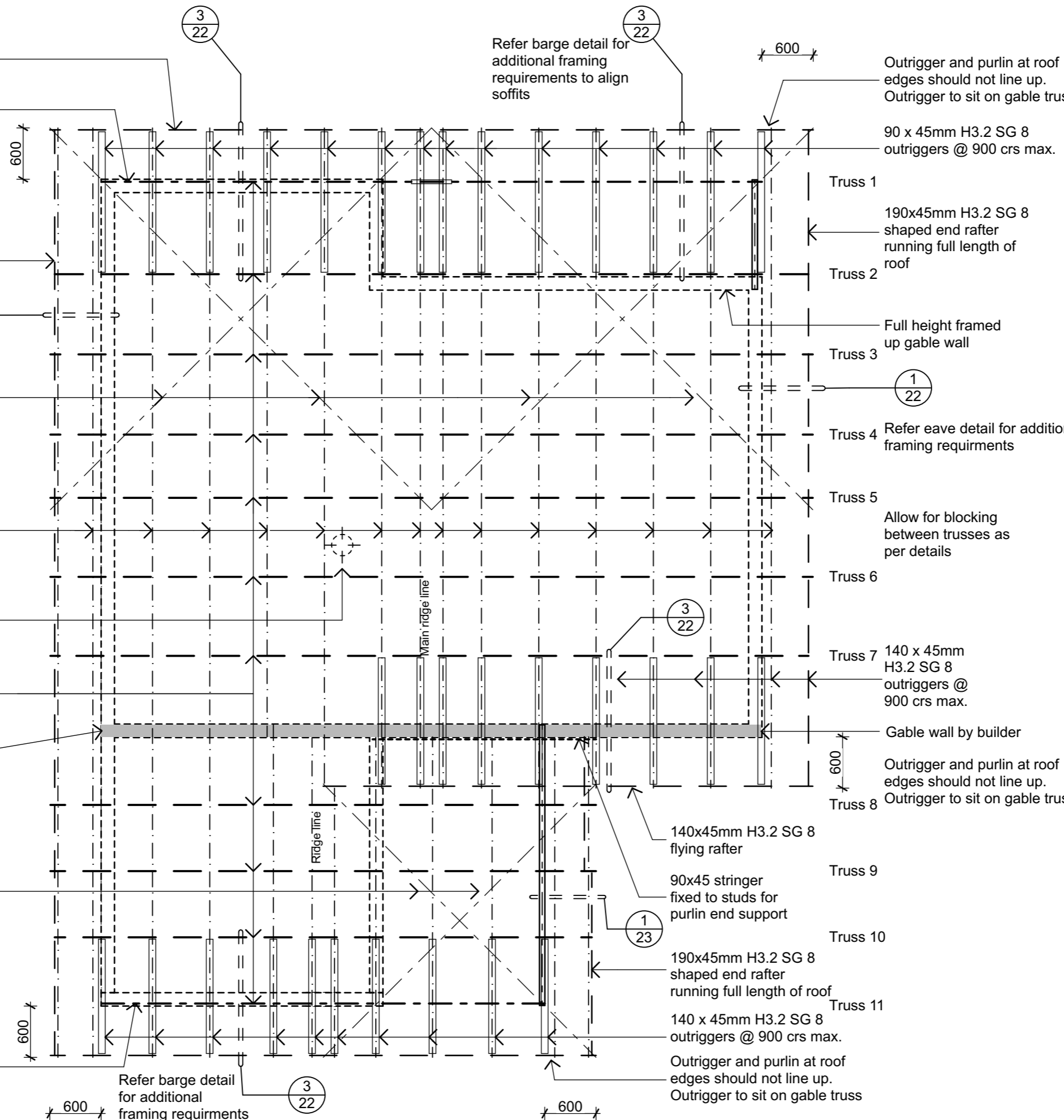
Flue between trusses with 50mm clearance to nearest truss/purlin or combustible material

Proprietary timber trusses @ 900c/c max. refer specification

Framed wall to underside of purlins

Roof plane diagonal braces to be cross pairs of Lumberlok strip brace galvanised steel straps with 8KN tension fixed to framing as noted in specification

Gable truss with lower top chord for outriggers to pass over



Outrigger and purlin at roof edges should not line up. Outrigger to sit on gable truss

90 x 45mm H3.2 SG 8 outriggers @ 900 crs max.

- Wall outline below
- — — — — Truss centre line
- - - - - Purlin
- ▭ Outrigger
- — — — — Flying Rafter
- ▬▬▬▬▬▬ Beam below
- - - - - Roof strip bacing

- note:**
- Truss layout shown is typical, refer to specification for truss manufacturers truss design
 - All connections of trusses to top plates as per specification

PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client: Department of Conservation
Project Name: Project No: 1772
Mintaro Hut
Wardens Quarters
Milford Track Fiordland National Park

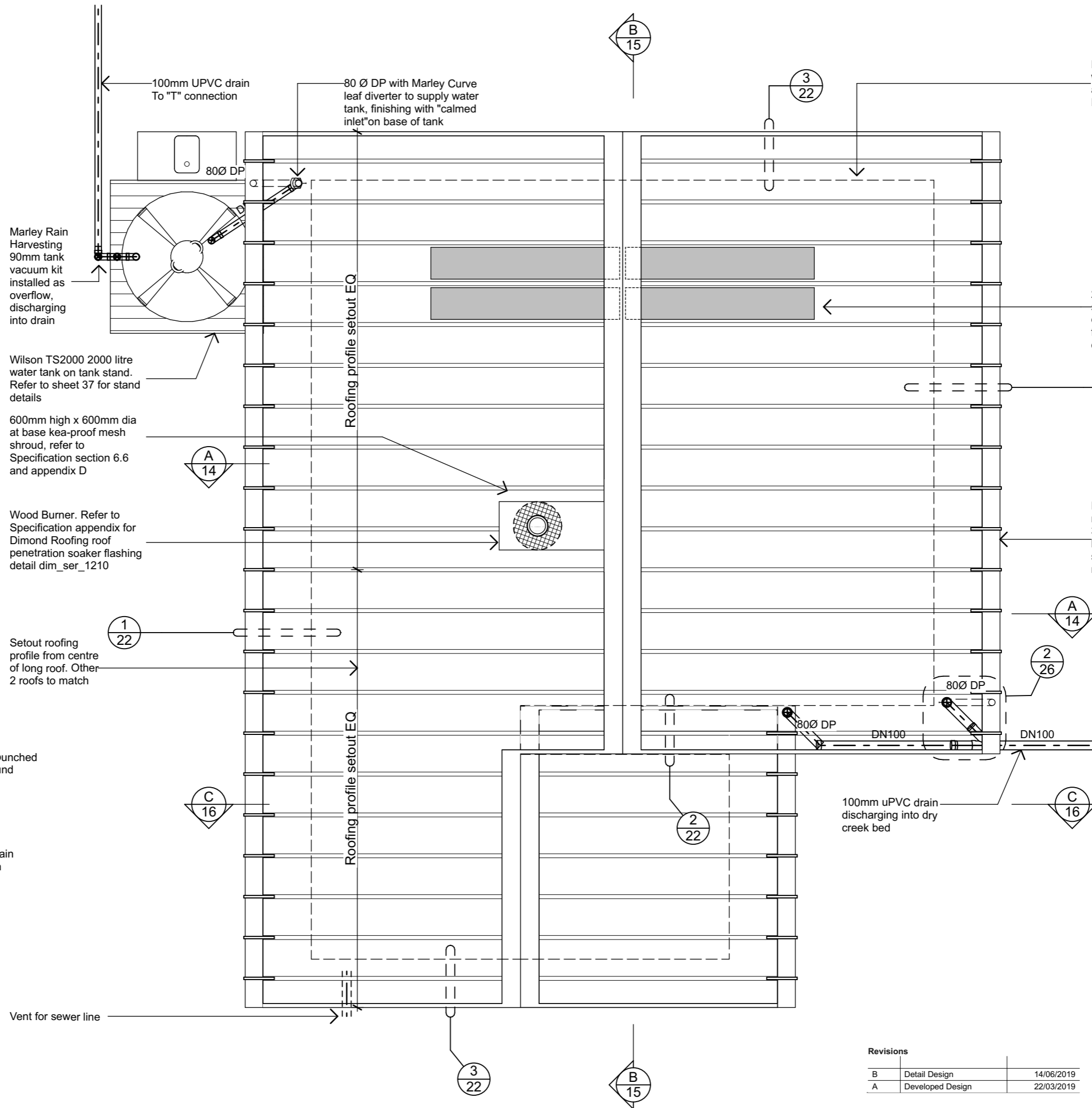
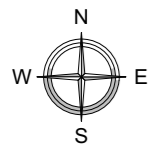
Detailed Design
Drawing Name:
Roof Framing Plan

Revisions		
A	Detail Design	14/06/2019

Scale @ A3: 1:50, 1:100
Drawing No: 08
Revision: A

Wardens' Quarters Roof Framing Plan

1:50



Dimond Roofing Solar Rib, with all flashings fabricated and supplied by Dimond Roofing

2x MiaSolé 120W solar laminates on each roof. Ridge flashing lapped over top of panels

Dimond Roofing 200mm half round gutter with 3mm x 30mm stainless steel external brackets and snow straps spaced to match ribs of solar rib roofing

PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client: Department of Conservation
Project Name: Warden's Quarters Project No: 1772
Milford Track Fiordland National Park

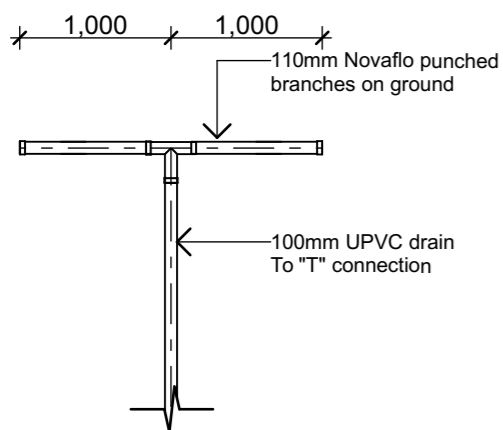
Detailed Design

Drawing Name:

Roof Plan

Scale @ A3: 1:50, 1:100

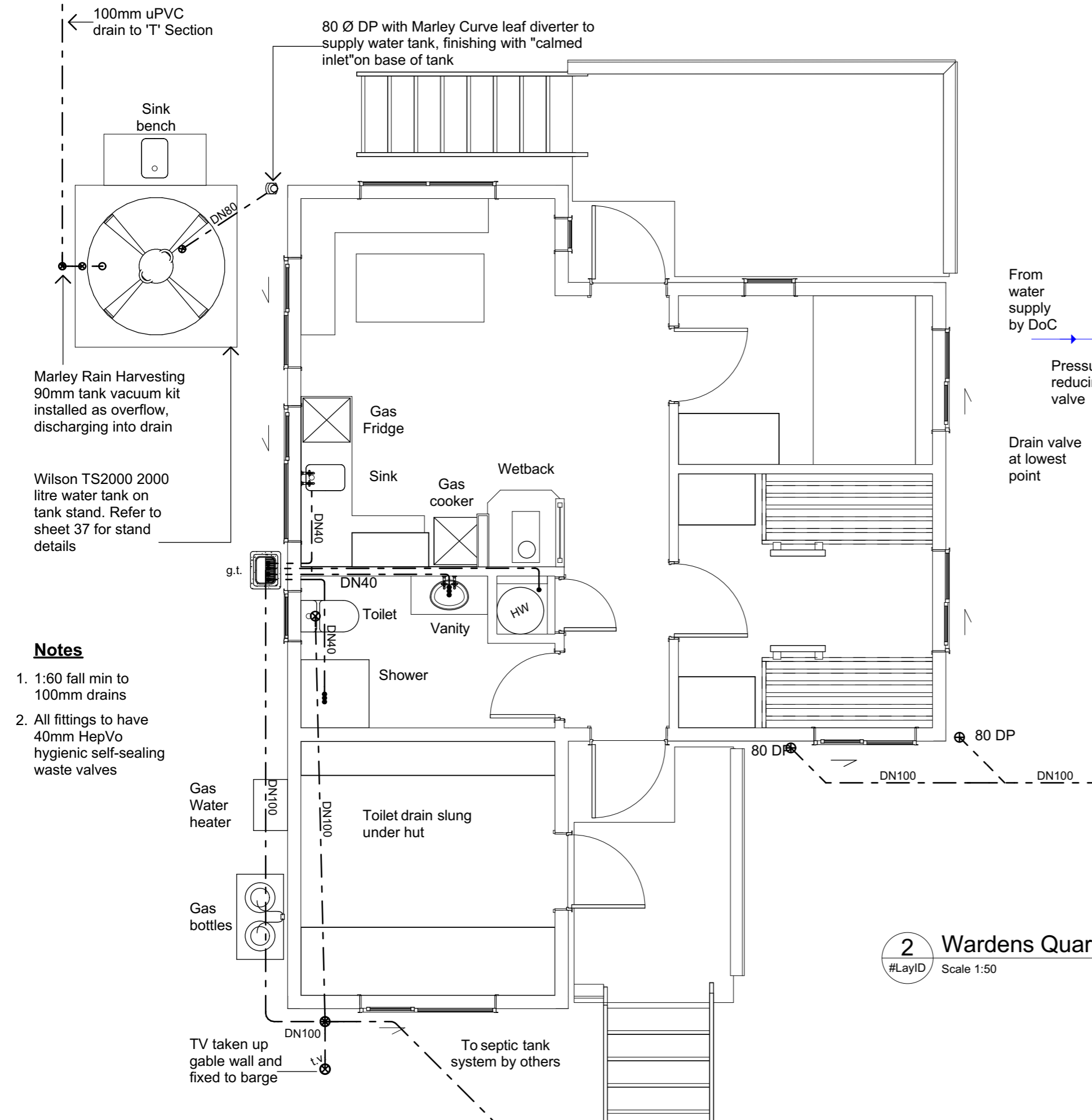
Drawing No: **09** Revision: **B**



2 "T" connection
Scale 1:50

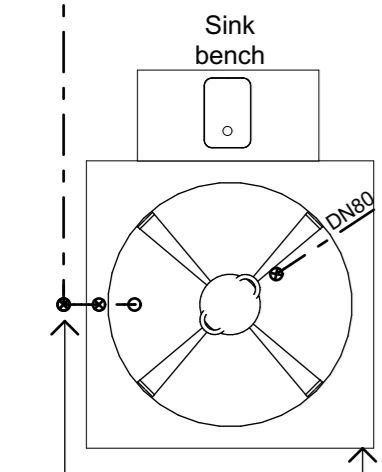
Revisions

B	Detail Design	14/06/2019
A	Developed Design	22/03/2019



100mm uPVC drain to 'T' Section

80 Ø DP with Marley Curve leaf diverter to supply water tank, finishing with "calmed inlet" on base of tank

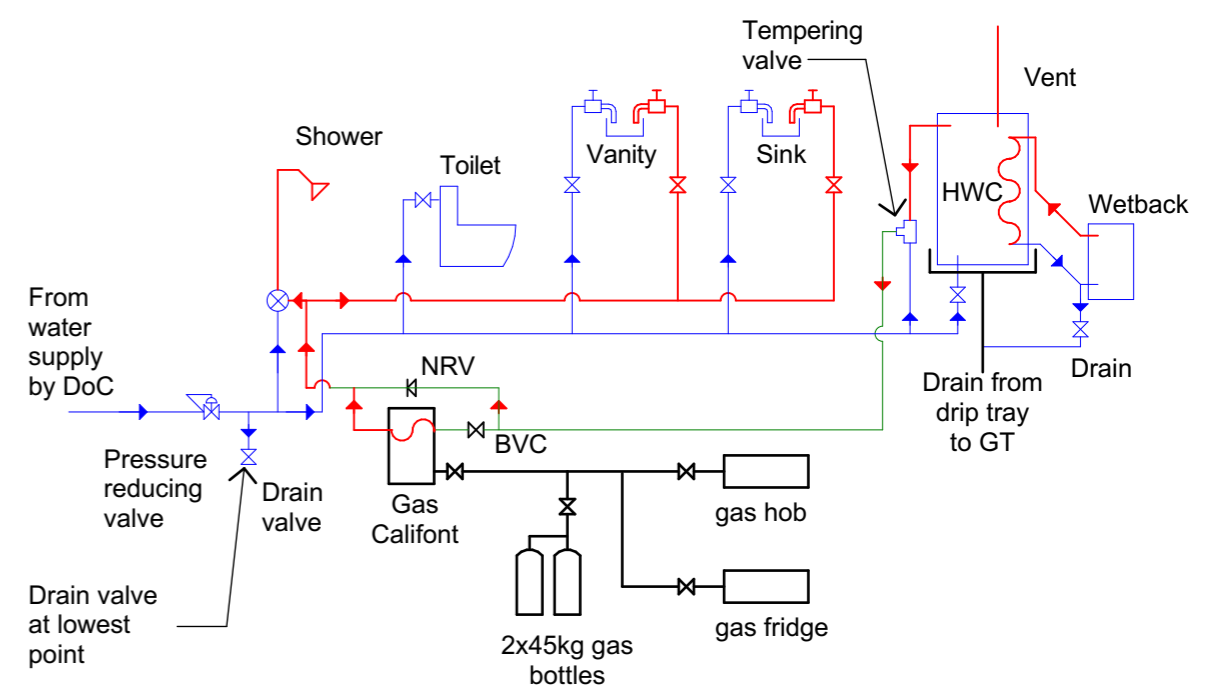


Marley Rain Harvesting 90mm tank vacuum kit installed as overflow, discharging into drain

Wilson TS2000 2000 litre water tank on tank stand. Refer to sheet 37 for stand details

Notes

- 1:60 fall min to 100mm drains
- All fittings to have 40mm HepVo hygienic self-sealing waste valves



HOT WATER SOURCE CONTROL

1. BVC - Ball valve controlling source
2. Turn on valve to heat water through Califont
3. Turn off valve when HWC is supplying water

Notes

1. Supply pipes to fall back to lowest point so system can be drained
2. All pipe work at least 450mm below ground and all water pipe work above ground to be insulated with 12mm Armaflex. Refer to Specification for 'kea' proofing details

2 Warden's Quarters Water & Gas Supply Schematic
#LayID Scale 1:50

PYNENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut**
Project No: **1772**

Warden's Quarters
Milford Track Fiordland National Park

Detailed Design

Drawing Name:
Plumbing and Gas Plans

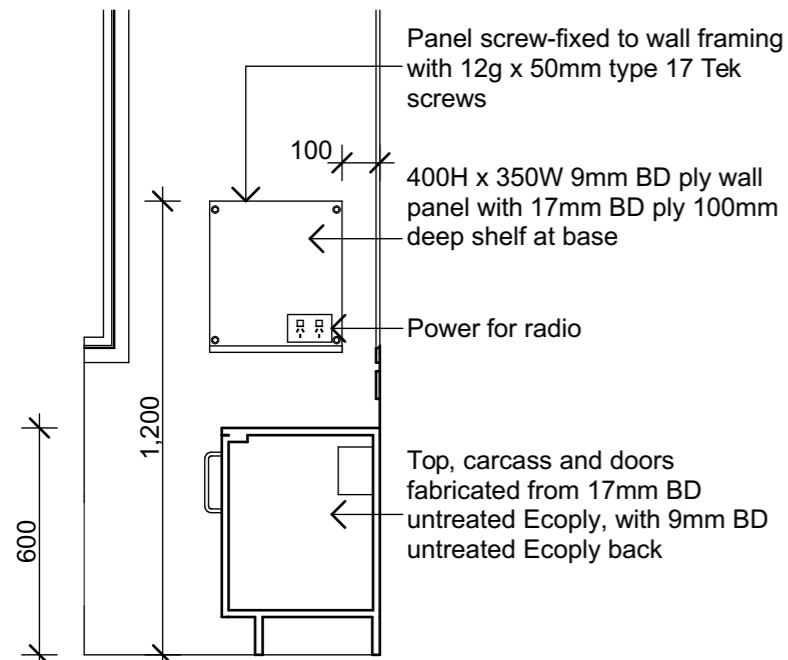
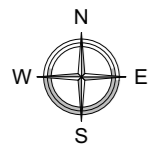
Revisions		
A	Detail Design	14/06/2019

Scale @ A3: **1:50**

Drawing No: **10** Revision: **A**

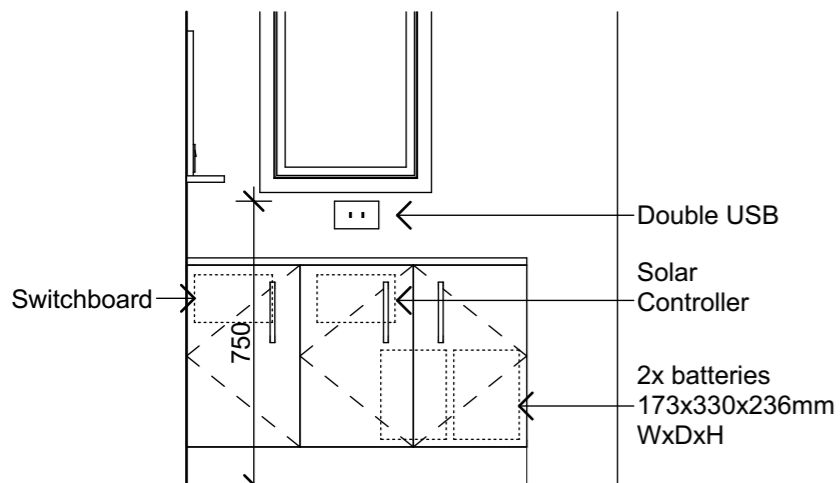
Warden's Quarters Plumbing and Drainage Plan

1:50



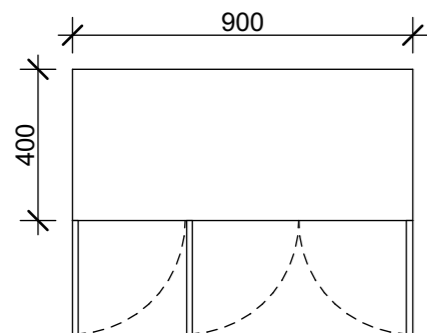
1 WQ Battery Cupboard - Section

Scale 1:20



2 WQ Battery Cupboard - Elevation

Scale 1:20

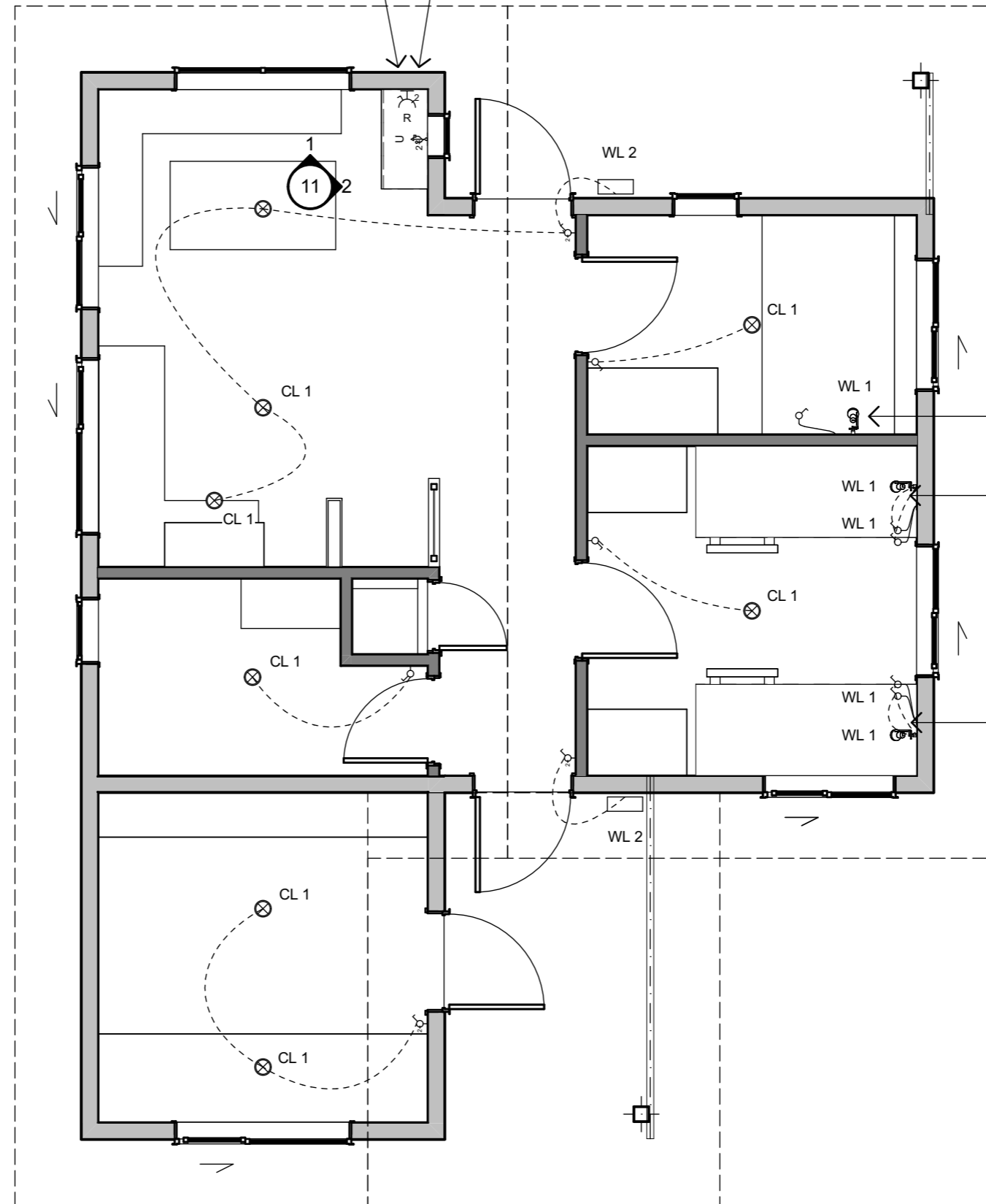


3 WQ Battery Cupboard - Plan

Scale 1:20

On walls above cupboard:
- Double USB port
- Power for Radio

Battery cupboard in corner containing:
- 2x batteries
- Solar controller
- Switchboard
- Double USB port
- Power for Radio



4 Wardens' Quarters Electrical Plan

09 Scale 1:50

Electrical Legend

- ⊕ CL 1 Prolite surface IP65 Downlite LED Marine Light (Surface Mounted)
- ☉ WL 1 12V DC Cabin Reading Lights
- ☐ WL 2 Prolite PHB Bulkhead
- ⚡ Light switch
- ⚡ Double USB charging port
- ⚡ Radio Power Outlet
- ⋯ Lighting wiring circuit

WL1 at 900mm above floor

2x WL1. 1 at 900mm above floor and the other at 2200mm above the floor

2x WL1. 1 at 900mm above floor and the other at 2200mm above the floor

PYNEBURG & COLLINS ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client: Department of Conservation

Project Name: Project No: 1772

Mintaro Hut
Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

Drawing Name:

Electrical Plan

Revisions

B	Detail Design	14/06/2019
A	Developed Design	22/03/2019

Scale @ A3: 1:20, 1:100

Drawing No: Revision:

11

B

Material Notes:

- a** COLORCOTE Zinacore Dimond Solar Rib roofing over SISALATION SUREWRAP roofing underlay over 70 x 45 H3.2 purlins on flat @ 800c/c max. evenly spaced, with end purlins @ 500mm c/c. Refer specification for fixings of roofing and purlins.
- b** COLORCOTE Zinacore 0.40 BMT CORRUGATE PROFILE cladding over Sisalation SureWrap wall underlay over cavity battens over 4.5mm HomeRAB Pre-Cladding board system over timber framing
- c** CHH 9mm ECOPLY BD grade untreated ceiling lining over 70 x 35 H1.2 battens @ 600c/c max.
- d** CHH 9mm ECOPLY BD grade untreated wall lining with 10mm gap to flooring.
- e** CHH 19mm ECOPLY CD grade H3.2 CCA 2400x1200 LS flooring over timber joists. Refer to foundation plan for sub floor framing sizes & c/c.
- f** 150x50 rough sawn H3.2 Radiata with top edges arised with webforge insert at doors
- g** 4.5mm Hardiflex with PVC jointers

600mm high x 600mm dia at base kea-proof mesh shroud, refer to Specification section 6.6 and appendix D

400x400 Holyoake louvre model OHL-F124 with weathershield

80Ø downpipe

1100mm high deck barrier, with 90 x 90 balusters, 140 x 45 top rail and 90 x 45 horizontal rails

100x25 H3.2 rough sawn baseboards

800 wide access hatch

Wood burner flue. Height of flue 600mm min. above ridge or 4.2m above stove top min

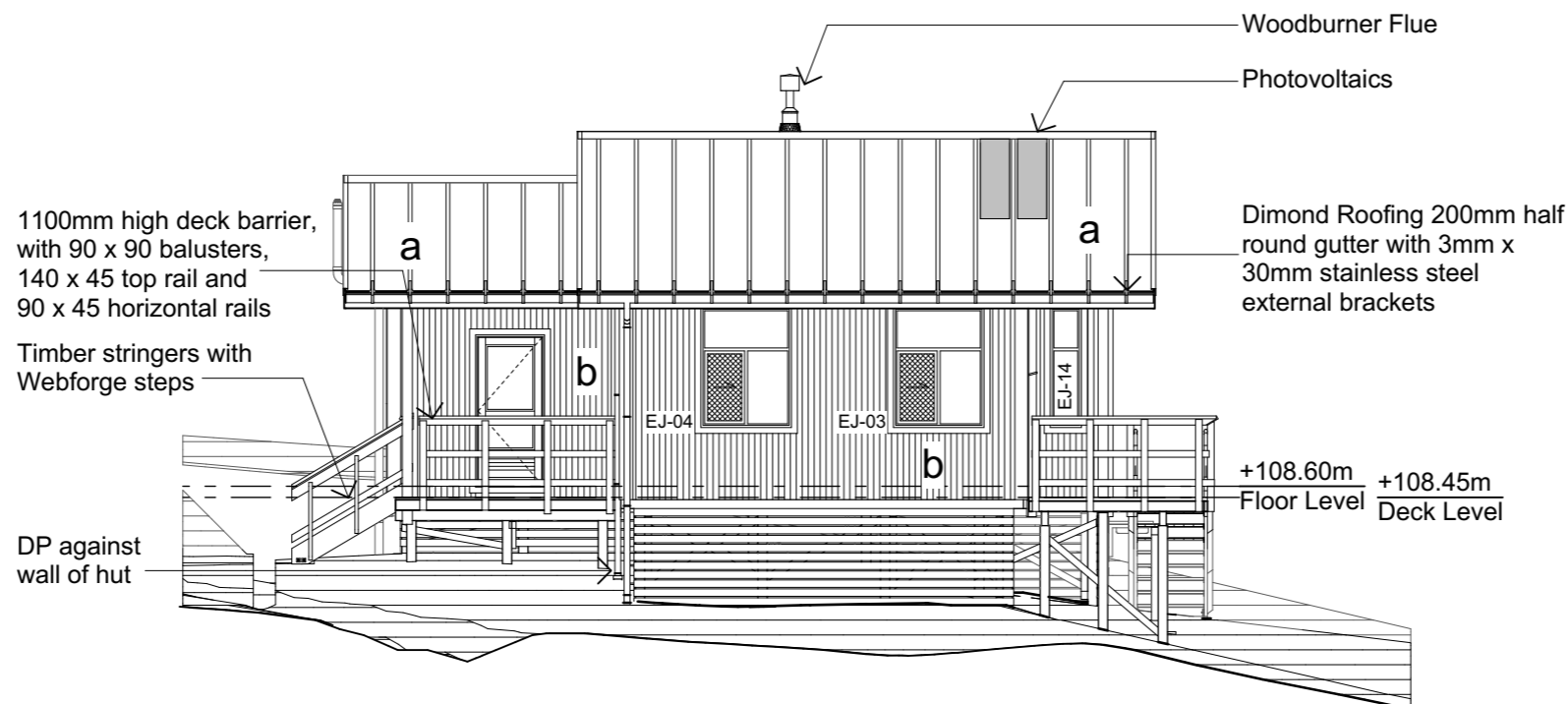
Dimond Roofing 200mm half round gutter with 3mm x 30mm stainless steel external brackets and snow straps

Timber stringers with Webforge steps

+108.60m Floor Level +108.45m Deck Level

Horizontal section of downpipe supported on 90 x 45 H3.2 Radiata

N North Elevation
Scale 1:100



E East Elevation
Scale 1:100

PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut** Project No: **1772**

Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

Drawing Name:

Elevations

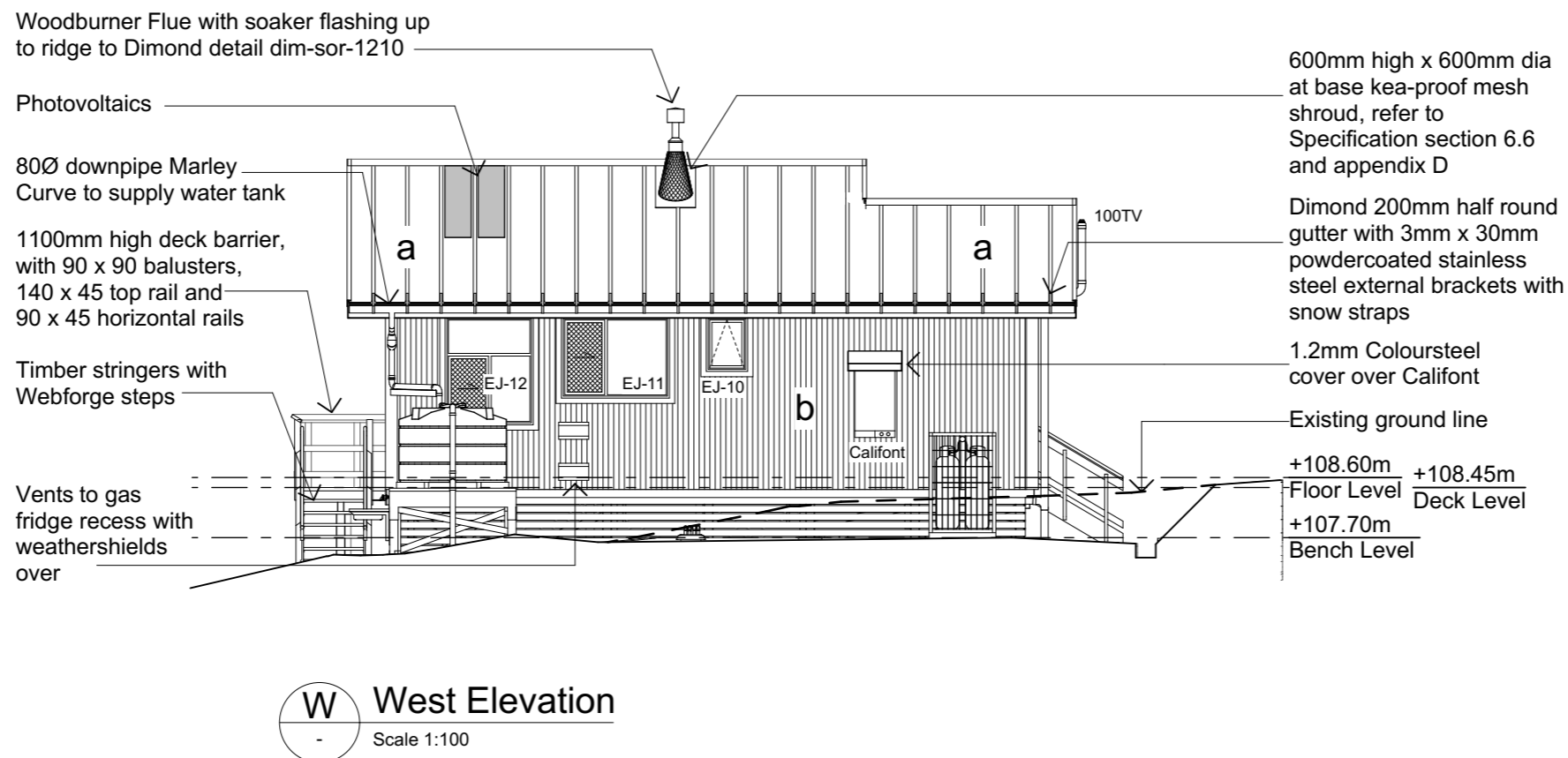
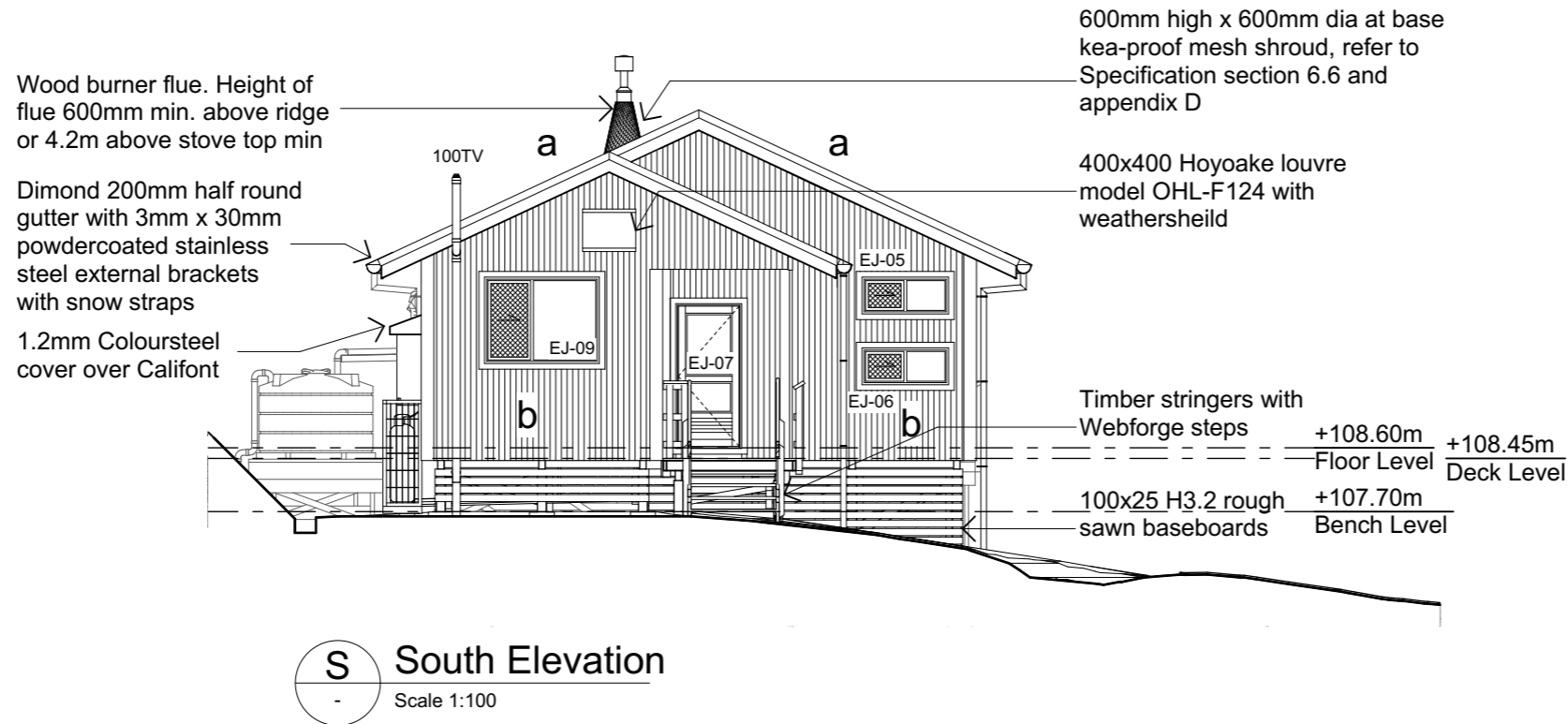
Revisions		
C	Detail Design	14/06/2019
B	Developed Design	22/03/2019
A	Concept Design	2/11/2018

Scale @ A3: **1:100**

Drawing No: **12** Revision: **C**

Material Notes:

- a** COLORCOTE Zinacore Dimond Solar Rib roofing over SISALATION SUREWRAP roofing underlay over 70 x 45 H3.2 purlins on flat @ 800c/c max. evenly spaced, with end purlins @ 500mm c/c. Refer specification for fixings of roofing and purlins.
- b** COLORCOTE Zinacore 0.40 BMT CORRUGATE PROFILE cladding over Sisalation SureWrap wall underlay over cavity battens over 4.5mm HomeRAB Pre-Cladding board system over timber framing
- c** CHH 9mm ECOPLY BD grade untreated ceiling lining over 70 x 35 H1.2 battens @ 600c/c max.
- d** CHH 9mm ECOPLY BD grade untreated wall lining with 10mm gap to flooring.
- e** CHH 19mm ECOPLY CD grade H3.2 CCA 2400x1200 LS flooring over timber joists. Refer to foundation plan for sub floor framing sizes & c/c.
- f** 150x50 rough sawn H3.2 Radiata with top edges arised with webforge insert at doors
- g** 4.5mm Hardiflex with PVC jointers



PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut**
Wardens Quarters
Milford Track Fiordland National Park

Project No: **1772**

Detailed Design

Drawing Name:

Elevations

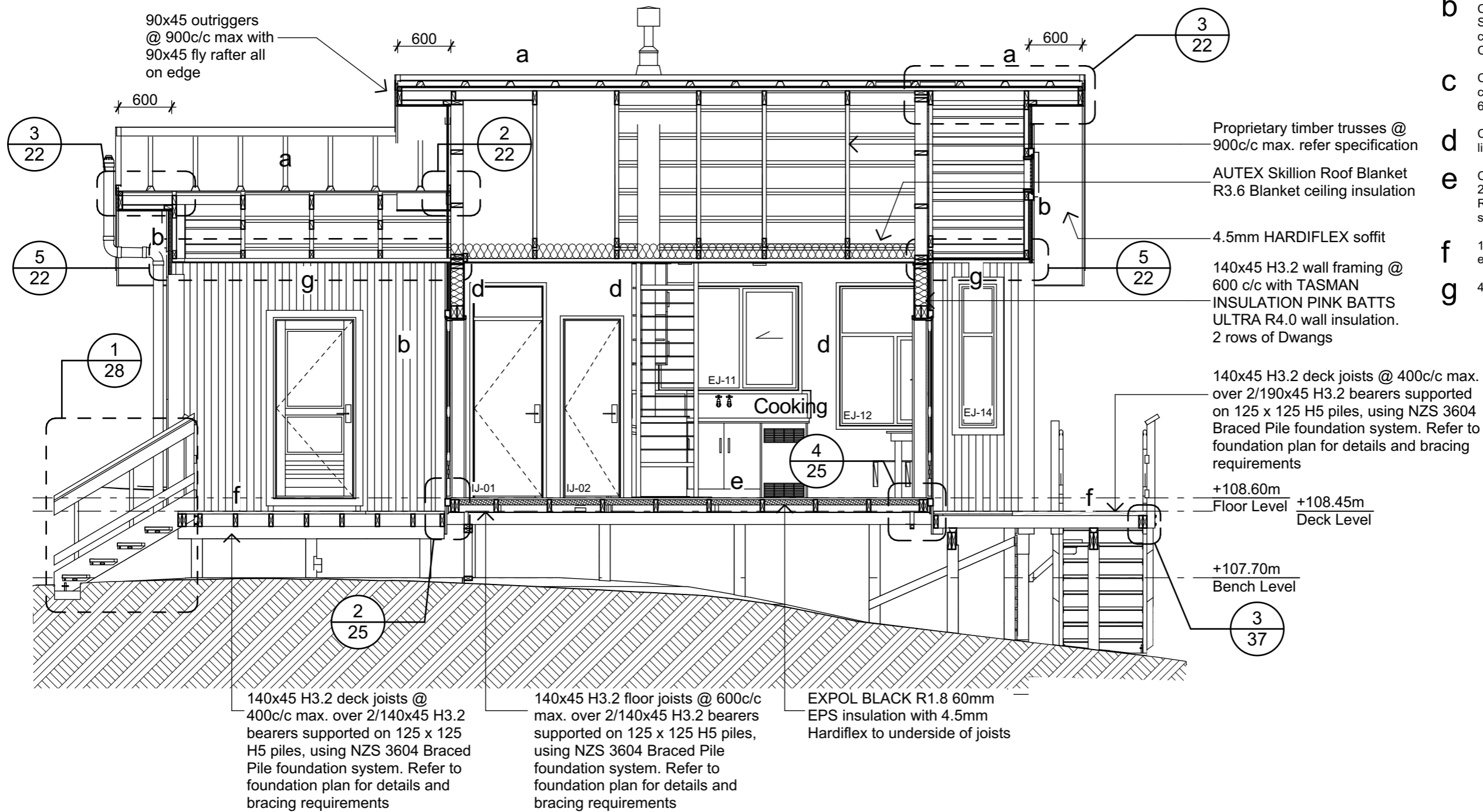
Revisions		
C	Detail Design	14/06/2019
B	Developed Design	22/03/2019
A	Concept Design	2/11/2018

Scale @ A3: **1:100**

Drawing No: **13** Revision: **C**

Material Notes:

- a** COLORCOTE Zinacore Dimond Solar Rib roofing over SISALATION SUREWRAP roofing underlay over 70 x 45 H3.2 purlins on flat @ 800c/c max. evenly spaced, with end purlins @ 500mm c/c. Refer specification for fixings of roofing and purlins.
- b** COLORCOTE Zinacore 0.40 BMT CORRUGATE PROFILE cladding over Sisalation SureWrap wall underlay over cavity battens over 4.5mm HomeRAB Pre-Cladding board system over timber framing
- c** CHH 9mm ECOPLY BD grade untreated ceiling lining over 70 x 35 H1.2 battens @ 600c/c max.
- d** CHH 9mm ECOPLY BD grade untreated wall lining with 10mm gap to flooring.
- e** CHH 19mm ECOPLY CD grade H3.2 CCA 2400x1200 LS flooring over timber joists. Refer to foundation plan for sub floor framing sizes & c/c.
- f** 150x50 rough sawn H3.2 Radiata with top edges arised with webforge insert at doors
- g** 4.5mm Hardiflex with PVC jointers



B Long Section
09 Scale 1:50

PYNENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: Warden's Quarters Project No: 1772

Mintaro Hut
Warden's Quarters
Milford Track Fiordland National Park

Detailed Design

Drawing Name:
Section B

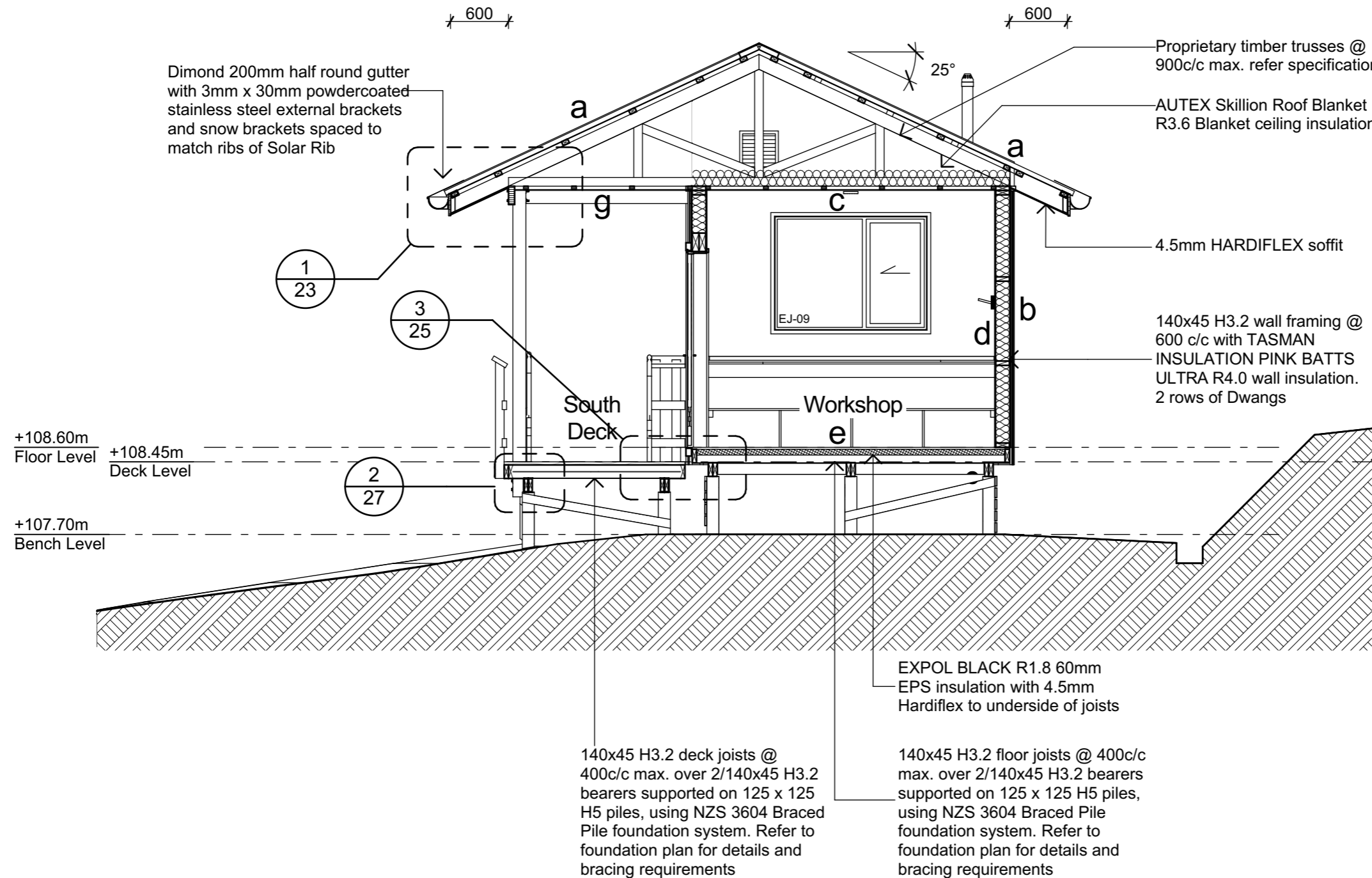
Revisions		
C	Detail Design	14/06/2019
B	Developed Design	22/03/2019
A	Concept Design	2/11/2018

Scale @ A3: **1:50**

Drawing No: **15** Revision: **C**

Material Notes:

- a** COLORCOTE Zinacore Dimond Solar Rib roofing over SISALATION SUREWRAP roofing underlay over 70 x 45 H3.2 purlins on flat @ 800c/c max. evenly spaced, with end purlins @ 500mm c/c. Refer specification for fixings of roofing and purlins.
- b** COLORCOTE Zinacore 0.40 BMT CORRUGATE PROFILE cladding over Sisalation SureWrap wall underlay over cavity battens over 4.5mm HomeRAB Pre-Cladding board system over timber framing
- c** CHH 9mm ECOPLY BD grade untreated ceiling lining over 70 x 35 H1.2 battens @ 600c/c max.
- d** CHH 9mm ECOPLY BD grade untreated wall lining with 10mm gap to flooring.
- e** CHH 19mm ECOPLY CD grade H3.2 CCA 2400x1200 LS flooring over timber joists. Refer to foundation plan for sub floor framing sizes & c/c.
- f** 150x50 rough sawn H3.2 Radiata with top edges arised with webforge insert at doors
- g** 4.5mm Hardiflex with PVC jointers



C Cross Section
09 Scale 1:50

PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut**
Wardens Quarters
Milford Track Fiordland National Park

Project No: **1772**

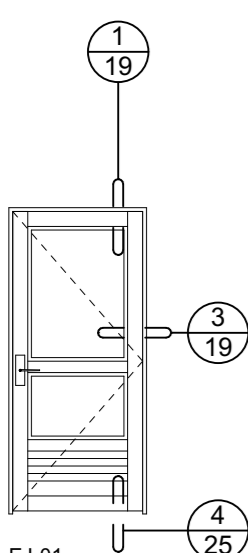
Detailed Design

Drawing Name:
Section C

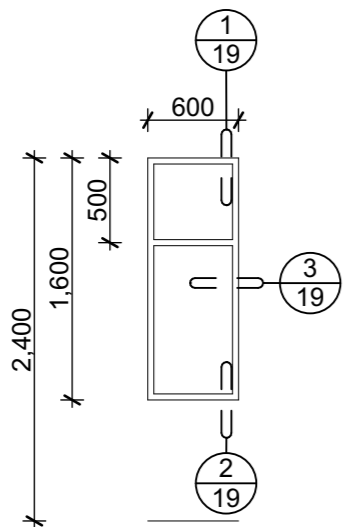
Revisions		
B	Detail Design	14/06/2019
A	Developed Design	22/03/2019

Scale @ A3: **1:50**

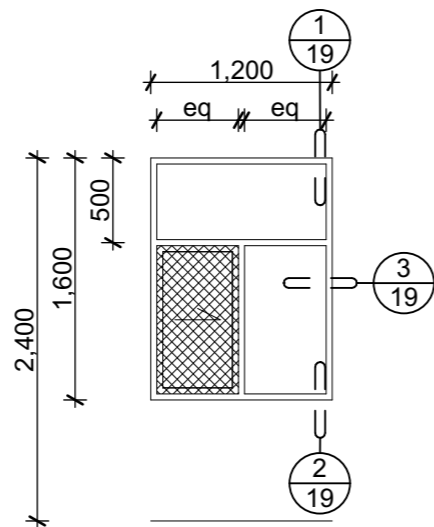
Drawing No: **16** Revision: **B**



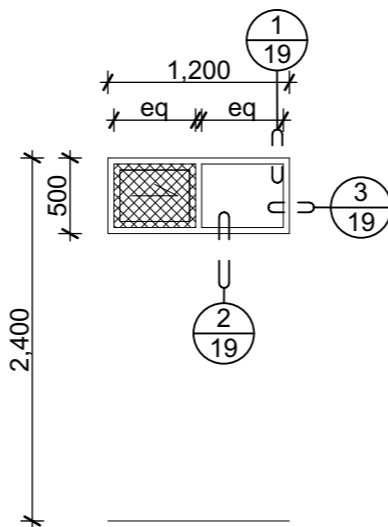
EJ-01
 Leaf 860 x 1980
 Frame APL Residential ThermalHEART
 Lintels 140x90
 Glazing Double Glazing
 Vent Louvre



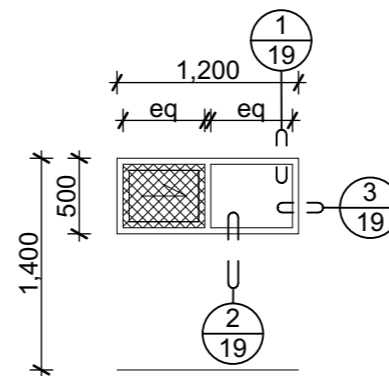
EJ-02
 Frame APL Residential ThermalHEART
 Lintels 90x90
 Glazing Double Glazing



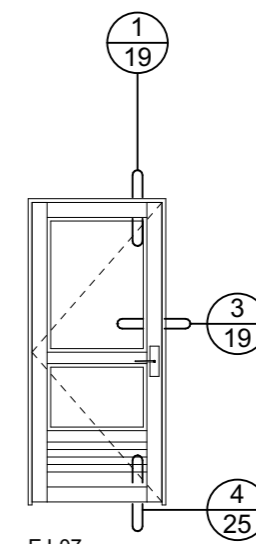
EJ-03, EJ-04
 Frame APL Residential ThermalHEART
 Lintels 140x90
 Glazing Double Glazing



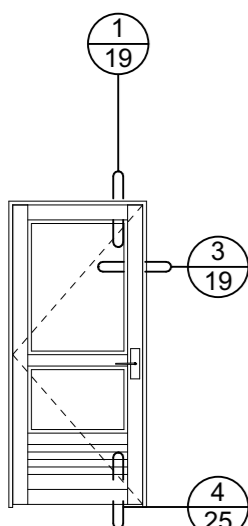
EJ-05
 Frame APL Residential ThermalHEART
 Lintels 140x90
 Glazing Double Glazing with boudlite to interior pane



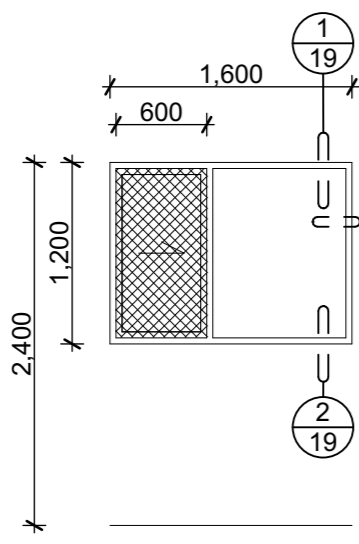
EJ-06
 Frame APL Residential ThermalHEART
 Lintels 140x90
 Glazing Double Glazing with boudlite to interior pane



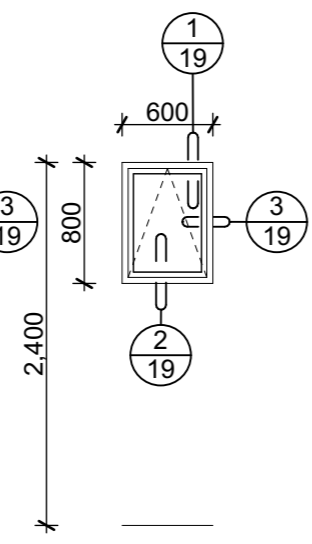
EJ-07
 Leaf 860 x 1980
 Frame APL Residential ThermalHEART
 Lintels 140x90
 Glazing Double Glazing
 Vent Louvre



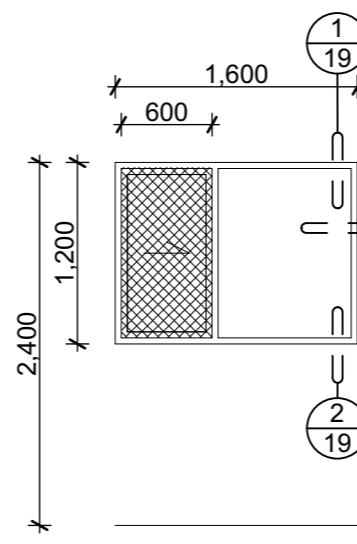
EJ-08
 Frame APL Residential ThermalHEART
 Lintels 140x90
 Leaf 1980 x 860



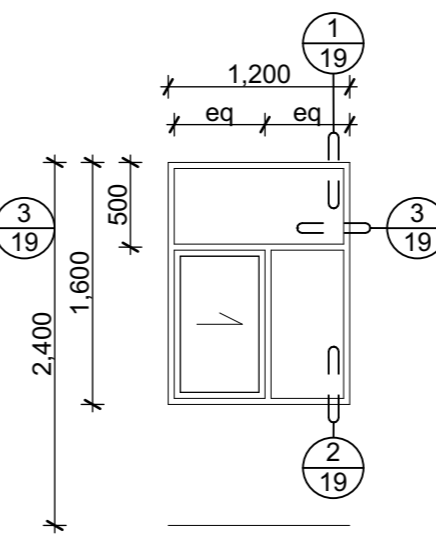
EJ-09
 Frame APL Residential ThermalHEART
 Lintels 190x90
 Glazing Double Glazing



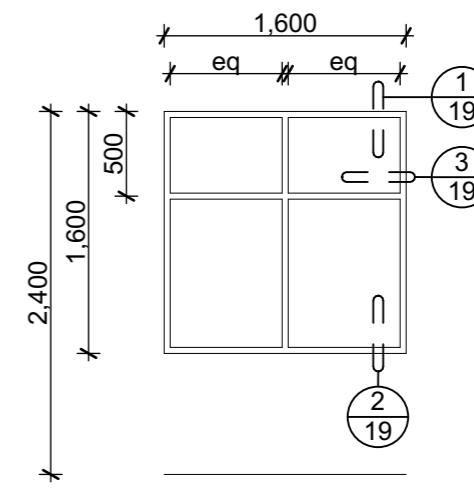
EJ-10
 Frame APL Residential ThermalHEART
 Lintels 90x90
 Glazing Double Glazing



EJ-11
 Frame APL Residential ThermalHEART
 Lintels 190x90
 Glazing Double Glazing



EJ-12
 Frame APL Residential ThermalHEART
 Lintels 190x90
 Glazing Double Glazing



EJ-13
 Frame APL Residential ThermalHEART
 Lintels 190x90
 Glazing Double Glazing

External Door Notes:

- EJ-01, EJ-07 & EJ-08 to be APL powder coated RESIDENTIAL THERMAL HEART HINGED door in powder coated aluminium frame, with H3.2 reveals and no sill. Refer to detail 3/24 for sill requirements
- Allow for 100mm top rail and stiles and double 100mm bottom rail
- EJ-01 & EJ-07 to have double-glazed unit to top panel and aluminium-faced 20mm EPS core insulated unit to bottom panel. Bottom panel to have 300mm high Holyoake OHL-F34 louvre fitted, complete with insect mesh to inside. Powder-coated weather shield to exterior of door over louvre
- EJ-08 on Parliament hinges.
- EJ-08 to have aluminium-faced 20mm EPS core insulated unit to top and bottom panel. Bottom panel to have 300mm high Holyoake OHL-F34 louvre fitted, complete with insect mesh to inside. Powder-coated weather shield to exterior of door over louvre
- Lockset 6782VT SC Synergy 38mm short backset Anti Vandal escape lock with interior snip lock, keyed to DOC track master set
- Furniture L4801/70SC & L4905/70SC Lockwood square end plate furniture with lever handles
- Insect mesh to be Ullrich 18 x 16 x 0.009" grey fibreglass mesh

Window Notes:

- EJ-02, EJ-10, EJ-13 and EJ-14 to be APL powder coated aluminium RESIDENTIAL THERMAL HEART, double glazed unit
- EJ-03 - EJ-06, EJ-09, EJ-11 and EJ-12 to be APL powder coated aluminium RESIDENTIAL ThermalHEART sliding window, double glazed units, with removable flyscreen mesh to sliding panel opening
- All reveals are to be H3.2 treated, ready to receive architraves
- Screw-fixed removable fine mesh flyscreens fabricated from Ullrich UA1611 flyscreen profile and Ullrich 18 x 16 x 0.009" grey fibreglass mesh

Revisions		
B	Detail Design	14/06/2019
A	Developed Design	22/03/2019



Client:
Department of Conservation

Project Name: **Wardens Quarters** Project No: **1772**

Mintaro Hut
Wardens Quarters
Milford Track Fiordland National Park

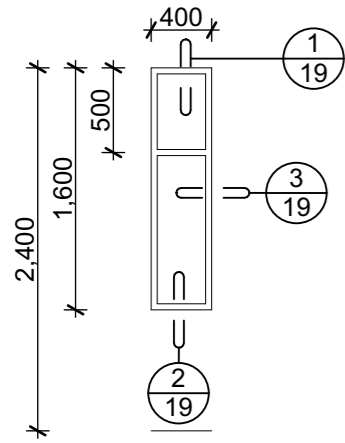
Detailed Design

Drawing Name:

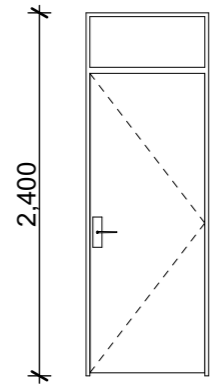
Window and Door Schedule

Scale @ A3: **1:50, 1:20, 1:10**

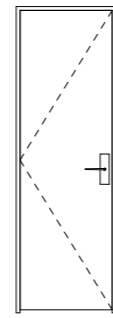
Drawing No: **17** Revision: **B**



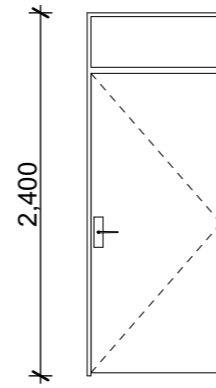
EJ-14
 Frame APL Residential ThermalHEART
 Lintels 90x90
 Glazing Double Glazing



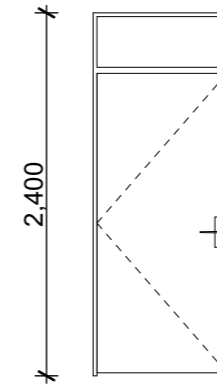
IJ-01
 Leaf 1980 x 760
 Lintels 90x90
 Frame Ex 50mm solid untreated Radiata with rebate for door stop and suitable for architraves
 Glazing Single
 Hardware Privacy Lock



IJ-02
 Leaf 1980 x 610
 Lintels 90x90
 Frame Ex 50mm solid untreated Radiata with rebate for door stop and suitable for architraves



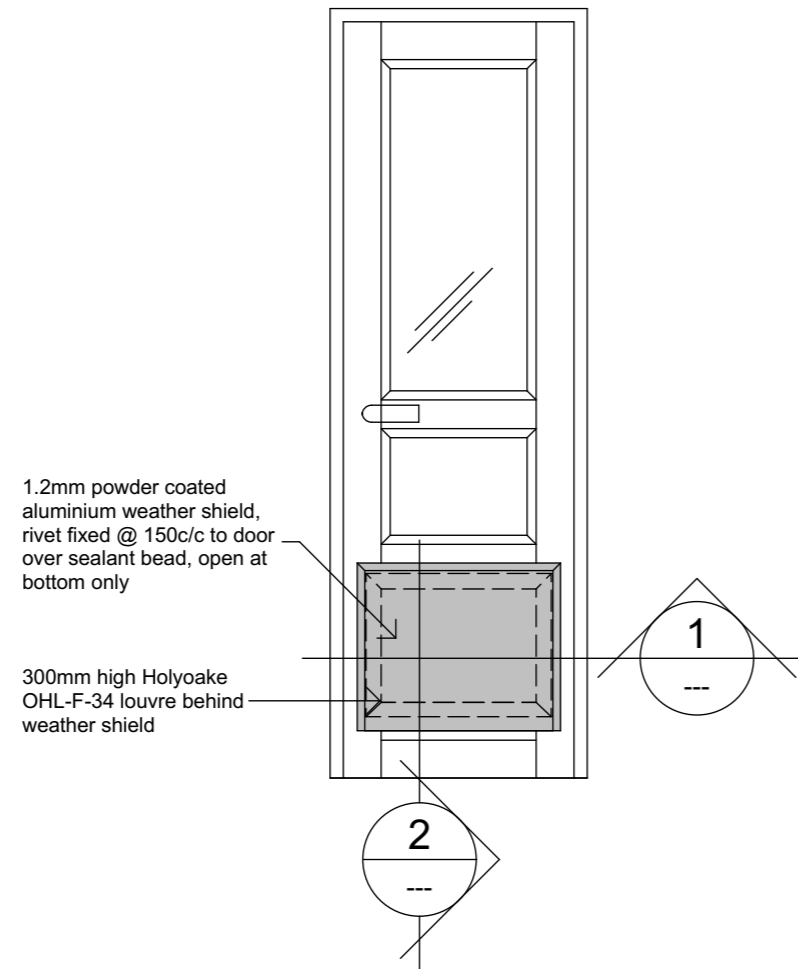
IJ-03
 Leaf 1980 x 860
 Lintels 90x90
 Frame Ex 50mm solid untreated Radiata with rebate for door stop and suitable for architraves
 Glazing Single



IJ-04
 Leaf 1980 x 860
 Frame Ex 50mm solid untreated Radiata with rebate for door stop and suitable for architraves
 Lintels 90x90
 Glazing Single

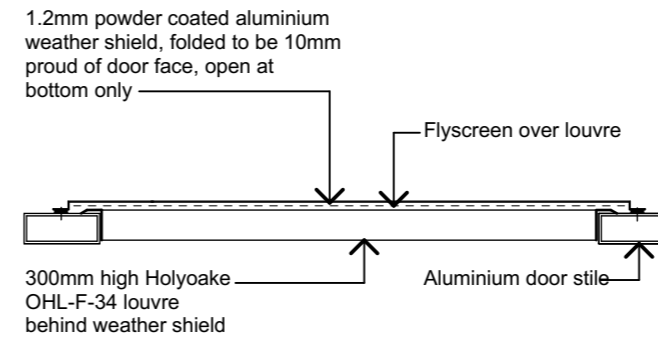
Internal Door Notes:

- Overhead Glazing of clear glazing
- Mdf-faced, paint quality finish, solid core door minimum 38mm thick, hung on triple set of BMA hinges
- All doors 20mm under cut
- Latch set 3574SC Synergy passage latch with 1800 series plate furniture and 70 series lever handles
- IJ-01 to have 811SP Lockwood mortice-mounted toilet bolt with indicator mounted 120mm above door handle

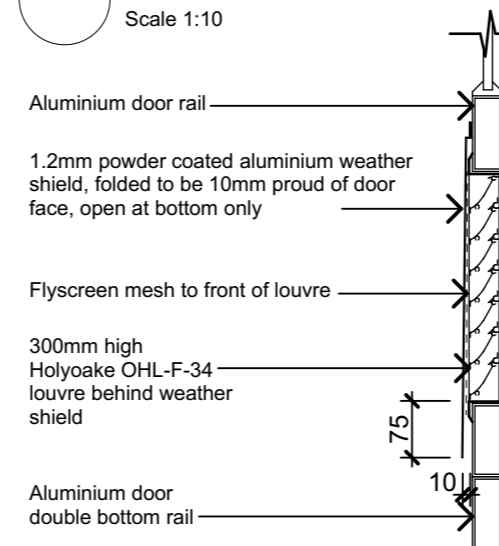


Weather shield - Elevation

1:20



1
 Scale 1:10



2
 Scale 1:10

Revisions		
A	Detail Design	14/06/2019

PYNEBURG & COLLINS
 ARCHITECTS

WELLINGTON
 76-86 Manners Street, Wellington 6011
 PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
 1/24 Gasson Street, Sydenham, Christchurch 8023
 PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
 Department of Conservation

Project Name: Warden's Quarters Project No: 1772

Mintaro Hut
 Warden's Quarters
 Milford Track Fiordland National Park

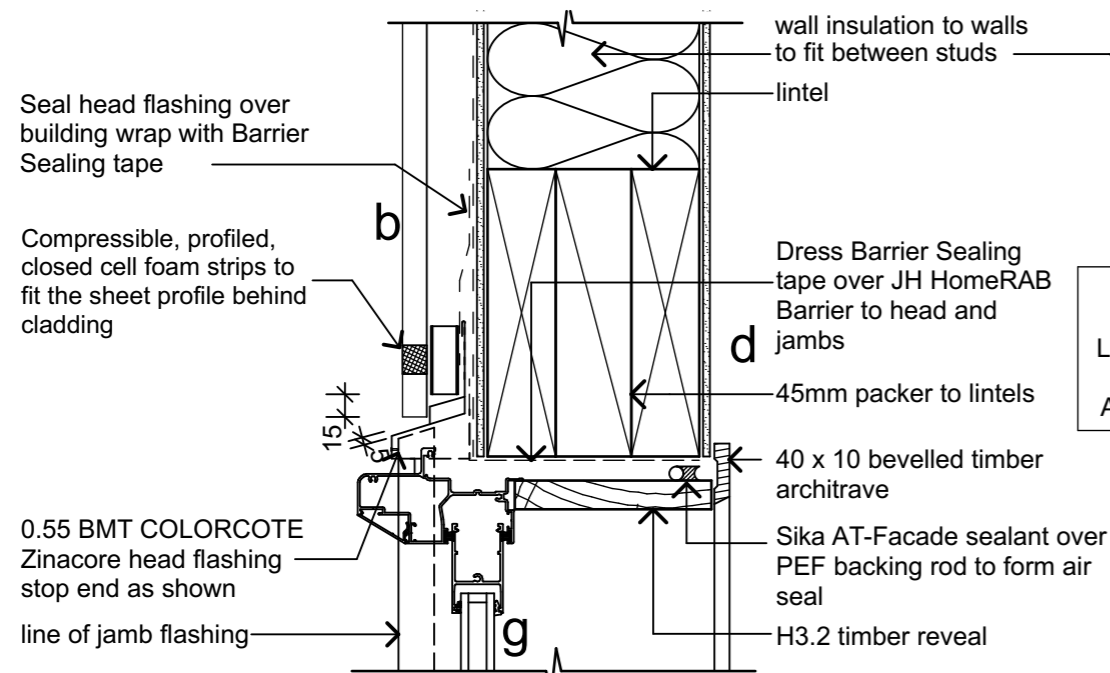
Detailed Design

Drawing Name:

Window and Door Schedule

Scale @ A3: 1:50, 1:20, 1:10

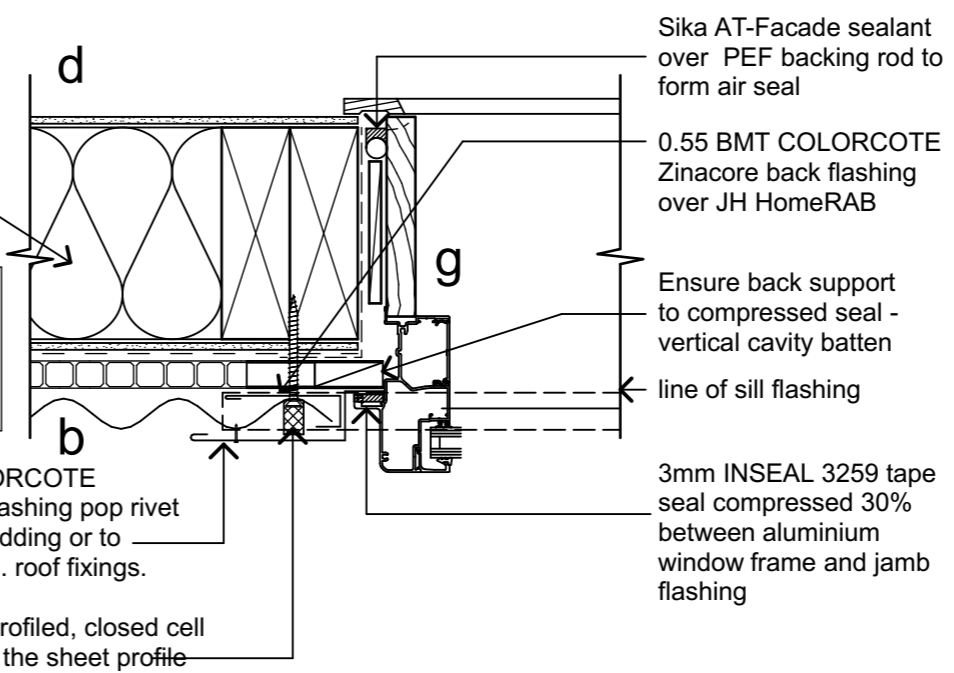
Drawing No: 18 Revision: A



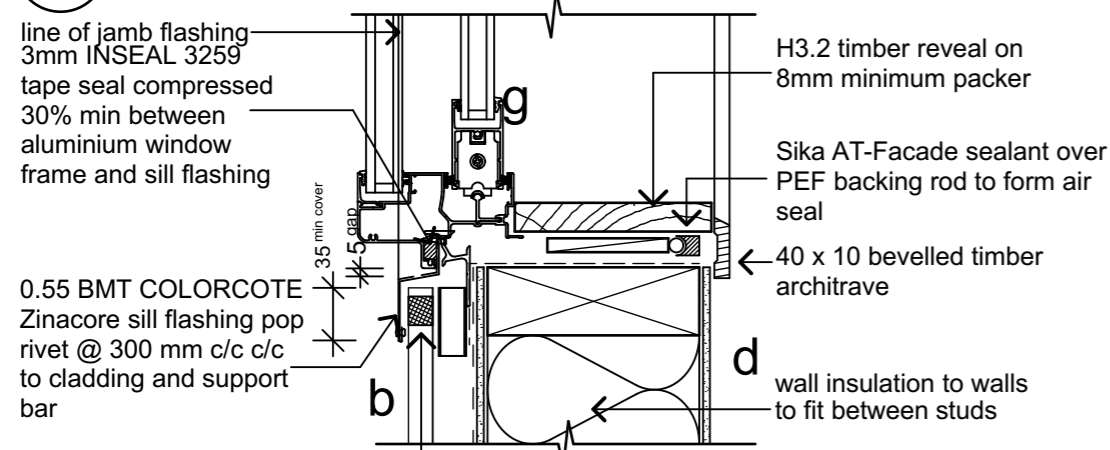
ALLOW FOR DIFFERENT WALL LINING THICKNESS. REFER FRAMING AND SETOUT PLAN

0.55 BMT COLORCOTE Zinacore jamb flashing pop rivet @ 300 c/c to cladding or to framing with min. roof fixings.

Compressible, profiled, closed cell foam strips to fit the sheet profile



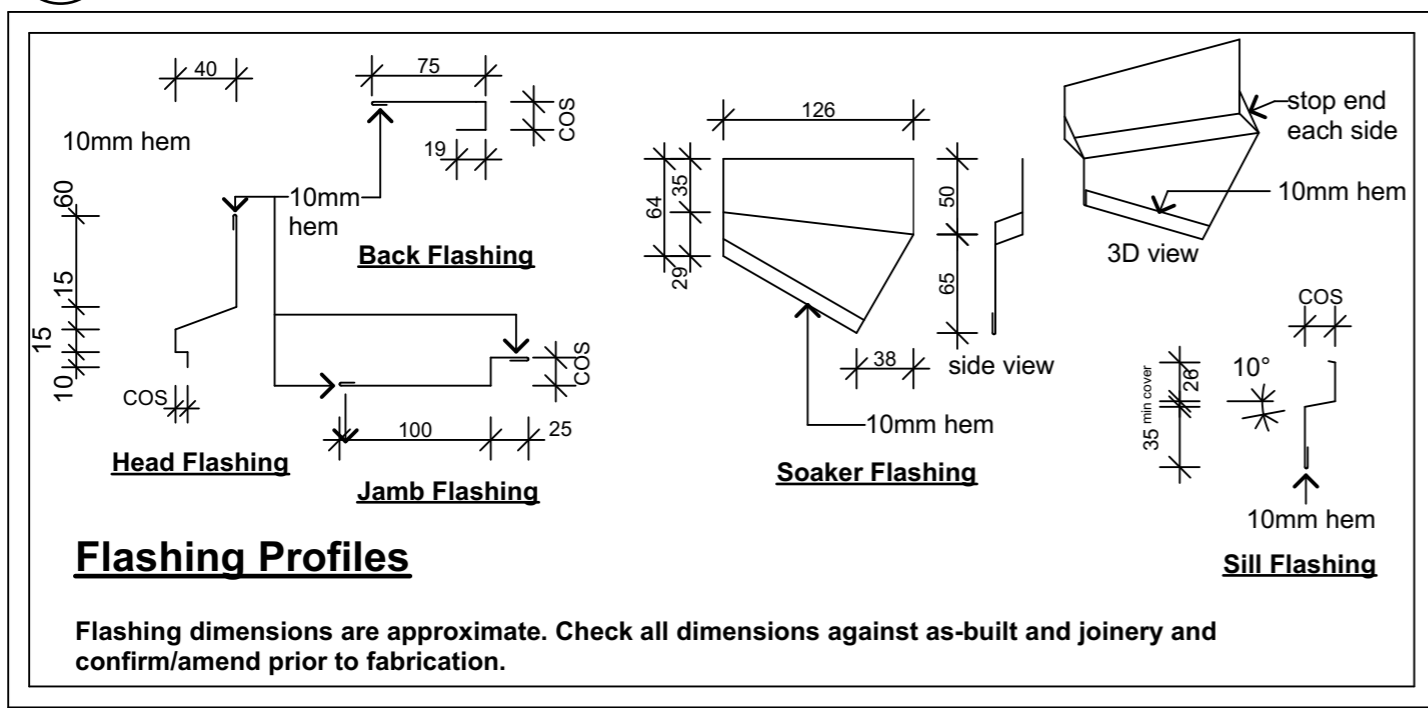
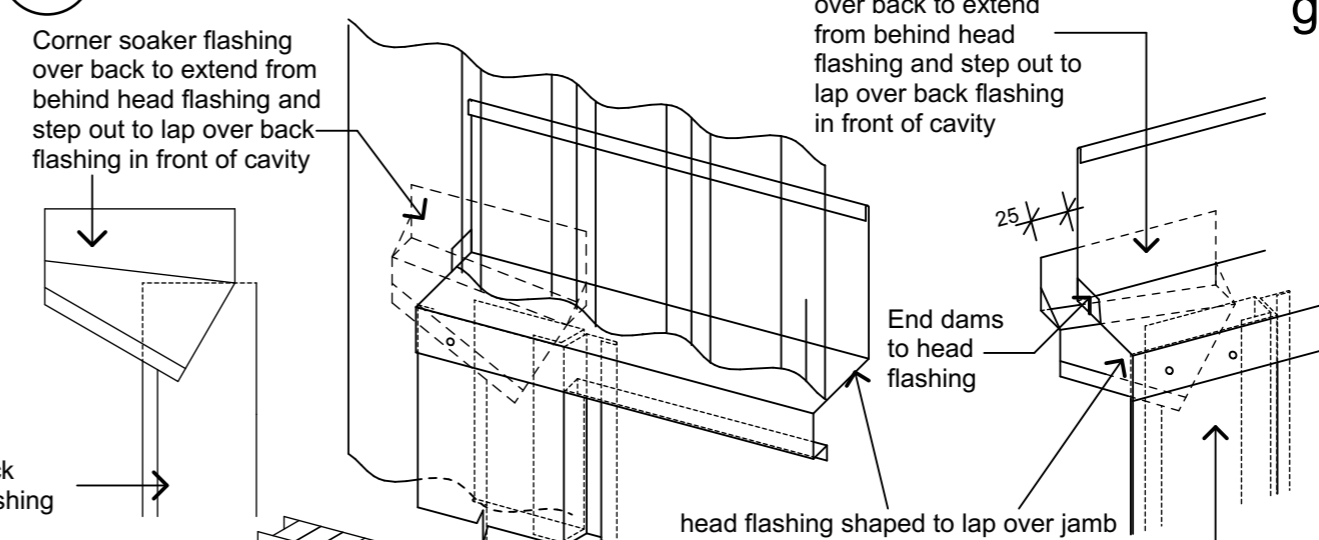
1 Window Head
Scale 1:5



Compressible, profiled, closed cell foam strips to fit the sheet profile over cladding

2 Window Head
Scale 1:5

3 Window Head
Scale 1:5



Flashing Profiles

Flashing dimensions are approximate. Check all dimensions against as-built and joinery and confirm/amend prior to fabrication.

- Material Notes:**
- a COLORCOTE Zinacore Dimond Solar Rib roofing over SISALATION SUREWRAP roofing underlay over 70 x 45 H3.2 purlins on flat @ 800c/c max. evenly spaced, with end purlins @ 500mm c/c. Refer specification for fixings of roofing and purlins.
 - b COLORCOTE Zinacore 0.40 BMT CORRUGATE PROFILE cladding over Sisalation SureWrap wall underlay over cavity battens over 4.5mm HomeRAB Pre-Cladding board system over timber framing
 - c CHH 9mm ECOPLY BD grade untreated ceiling lining over 70 x 35 H1.2 battens @ 600c/c max.
 - d CHH 9mm ECOPLY BD grade untreated wall lining with 10mm gap to flooring.
 - e CHH 19mm ECOPLY CD grade H3.2 CCA 2400x1200 LS flooring over timber joists. Refer to foundation plan for sub floor framing sizes & c/c.
 - f 150x50 rough sawn H3.2 Radiata with top edges arised with webforge insert at doors
 - g 4.5mm Hardiflex with PVC jointers

PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut Wardens Quarters Milford Track Fiordland National Park** Project No: 1772

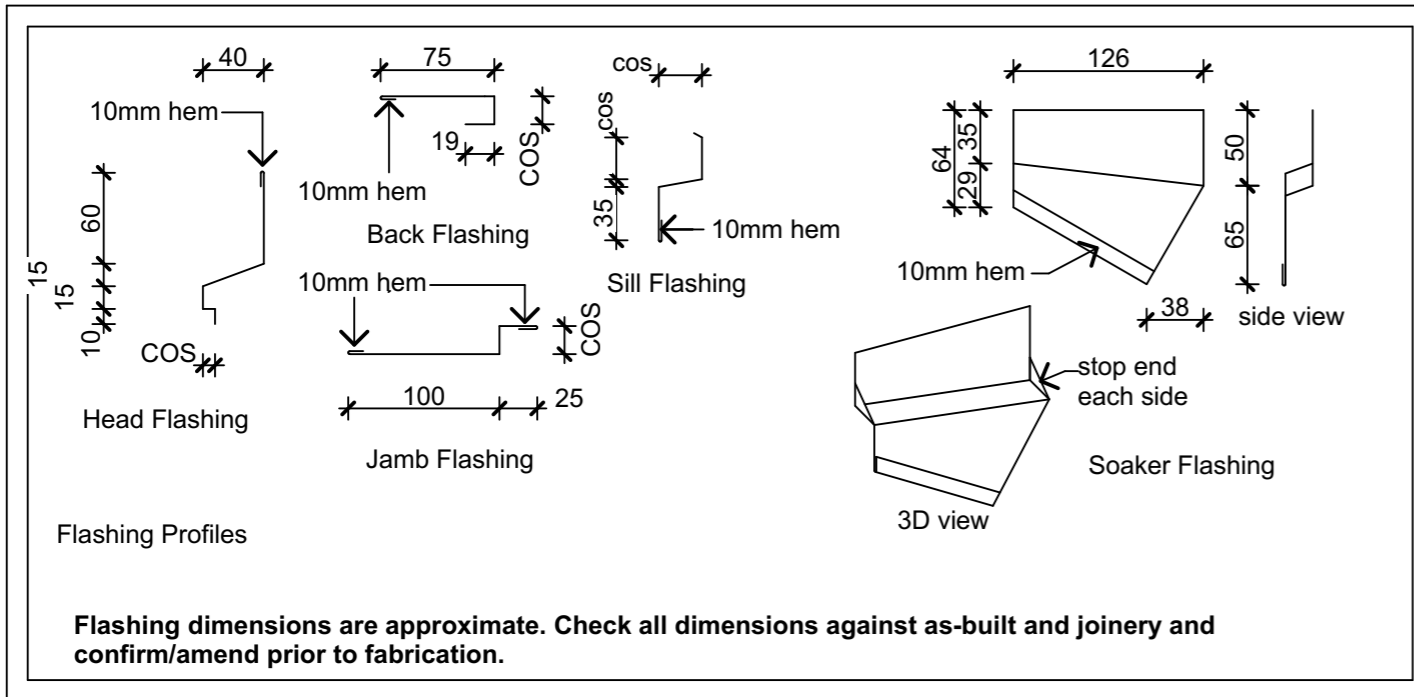
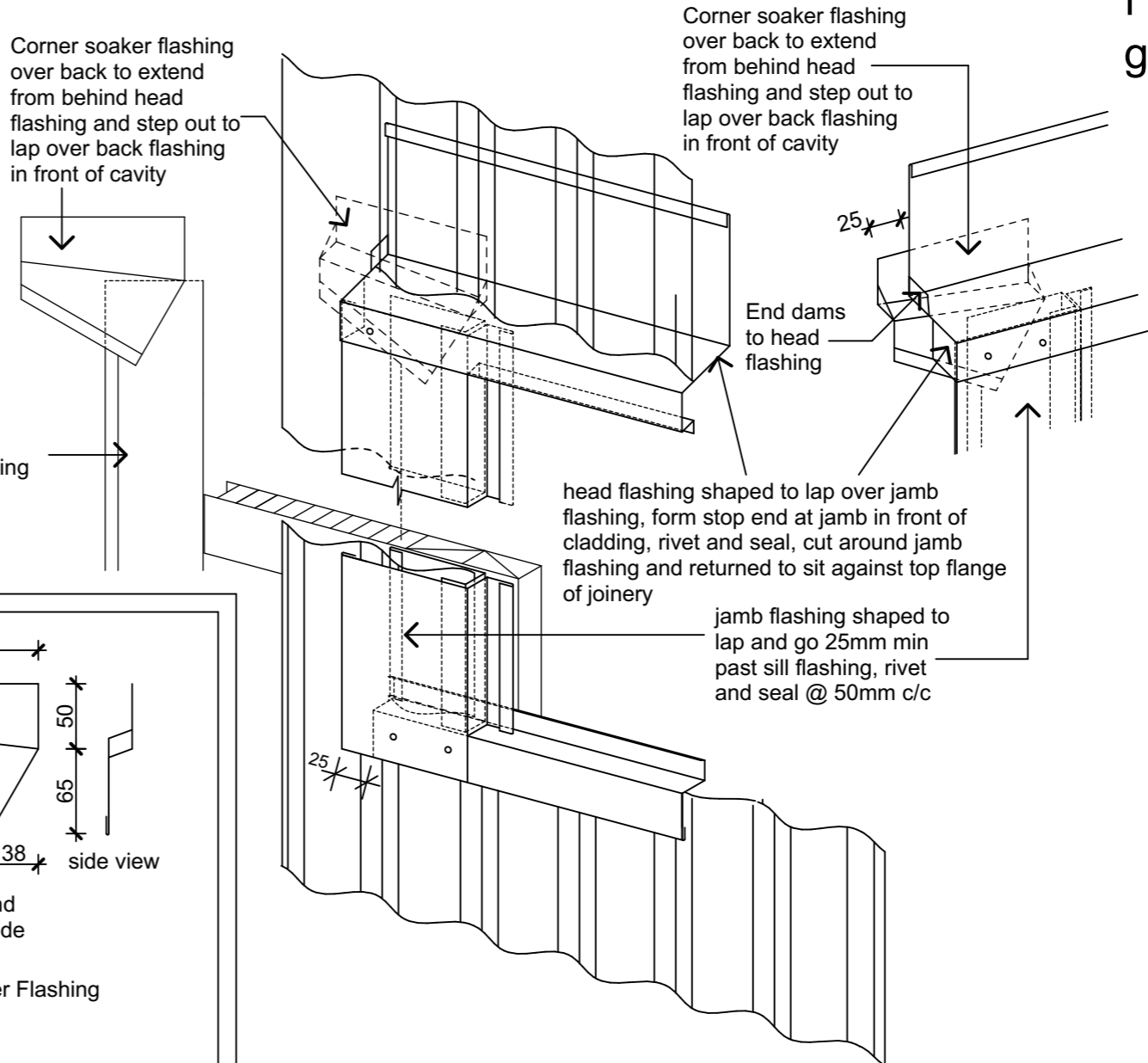
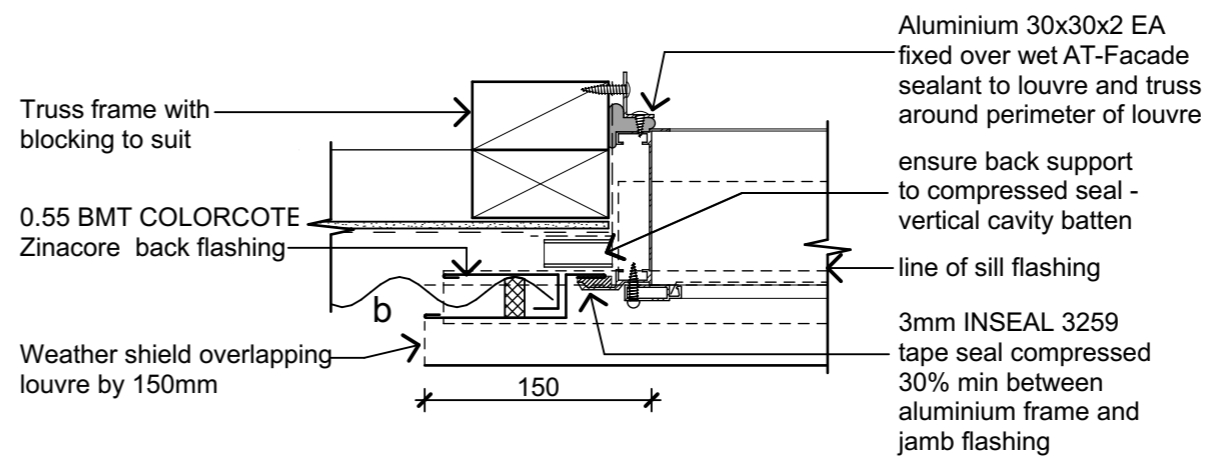
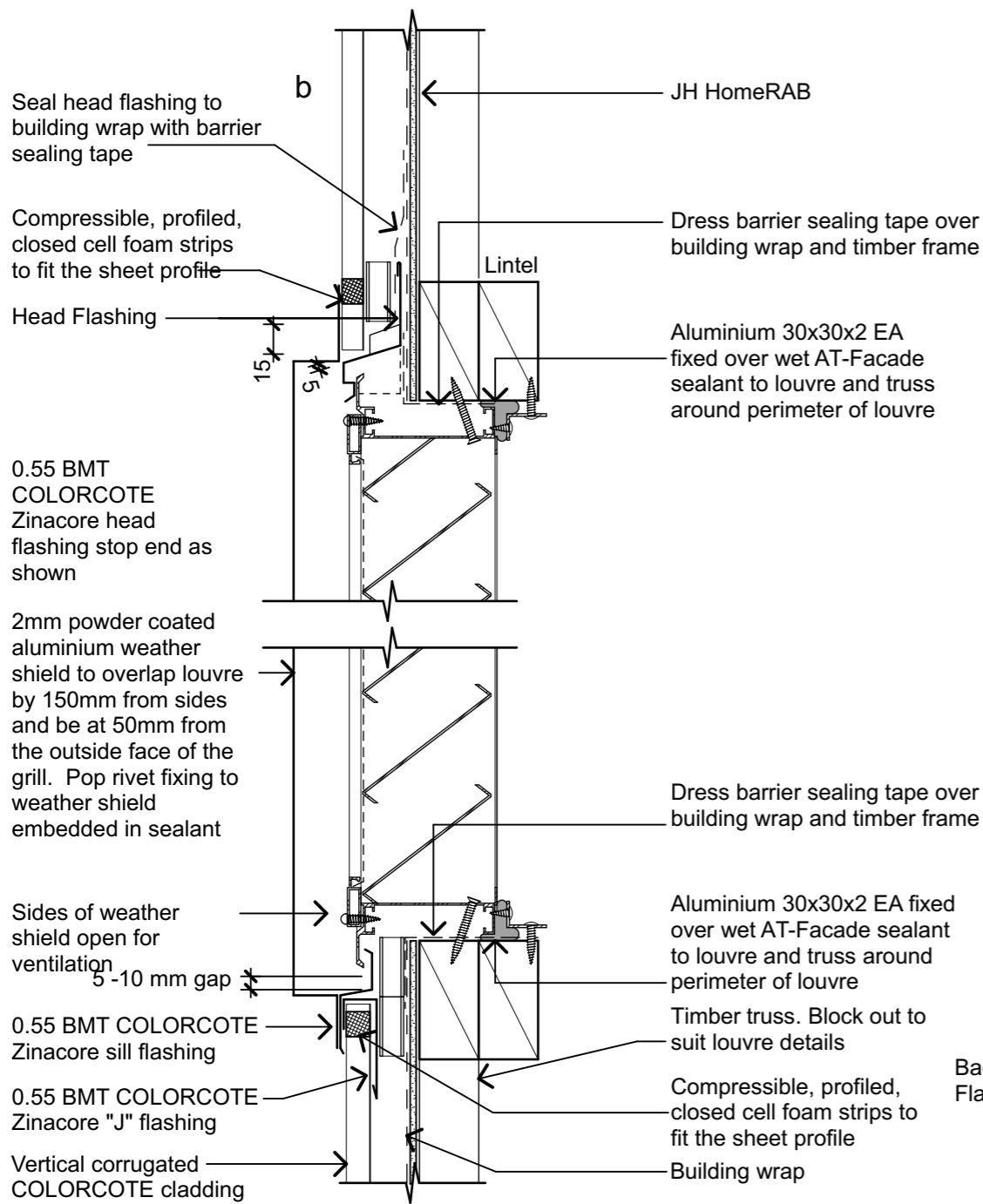
Detailed Design

Drawing Name: **Window Installation Details (typical)**

Revisions		
A	Detail Design	14/06/2019

Scale @ A3: 1:5

Drawing No: **19** Revision: **A**



Flashing dimensions are approximate. Check all dimensions against as-built and joinery and confirm/amend prior to fabrication.

Material Notes:

- a COLORCOTE Zinacore Dimond Solar Rib roofing over SISALATION SUREWRAP roofing underlay over 70 x 45 H3.2 purlins on flat @ 800c/c max. evenly spaced, with end purlins @ 500mm c/c. Refer specification for fixings of roofing and purlins.
- b COLORCOTE Zinacore 0.40 BMT CORRUGATE PROFILE cladding over Sisalation SureWrap wall underlay over cavity battens over 4.5mm HomeRAB Pre-Cladding board system over timber framing
- c CHH 9mm ECOPLY BD grade untreated ceiling lining over 70 x 35 H1.2 battens @ 600c/c max.
- d CHH 9mm ECOPLY BD grade untreated wall lining with 10mm gap to flooring.
- e CHH 19mm ECOPLY CD grade H3.2 CCA 2400x1200 LS flooring over timber joists. Refer to foundation plan for sub floor framing sizes & c/c.
- f 150x50 rough sawn H3.2 Radiata with top edges arised with webforge insert at doors
- g 4.5mm Hardiflex with PVC jointers

PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client: Department of Conservation
Project Name: Mintaro Hut Wardens Quarters Milford Track Fiordland National Park
Project No: 1772

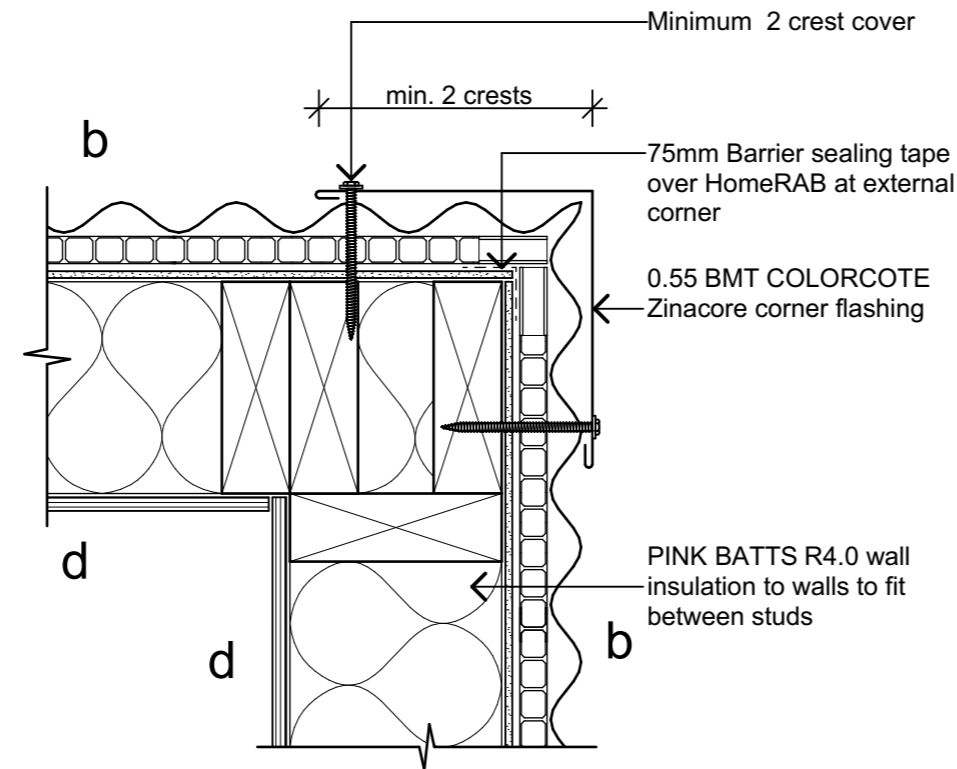
Detailed Design
Drawing Name: Louvre Details

Revisions		
A	Detail Design	14/06/2019

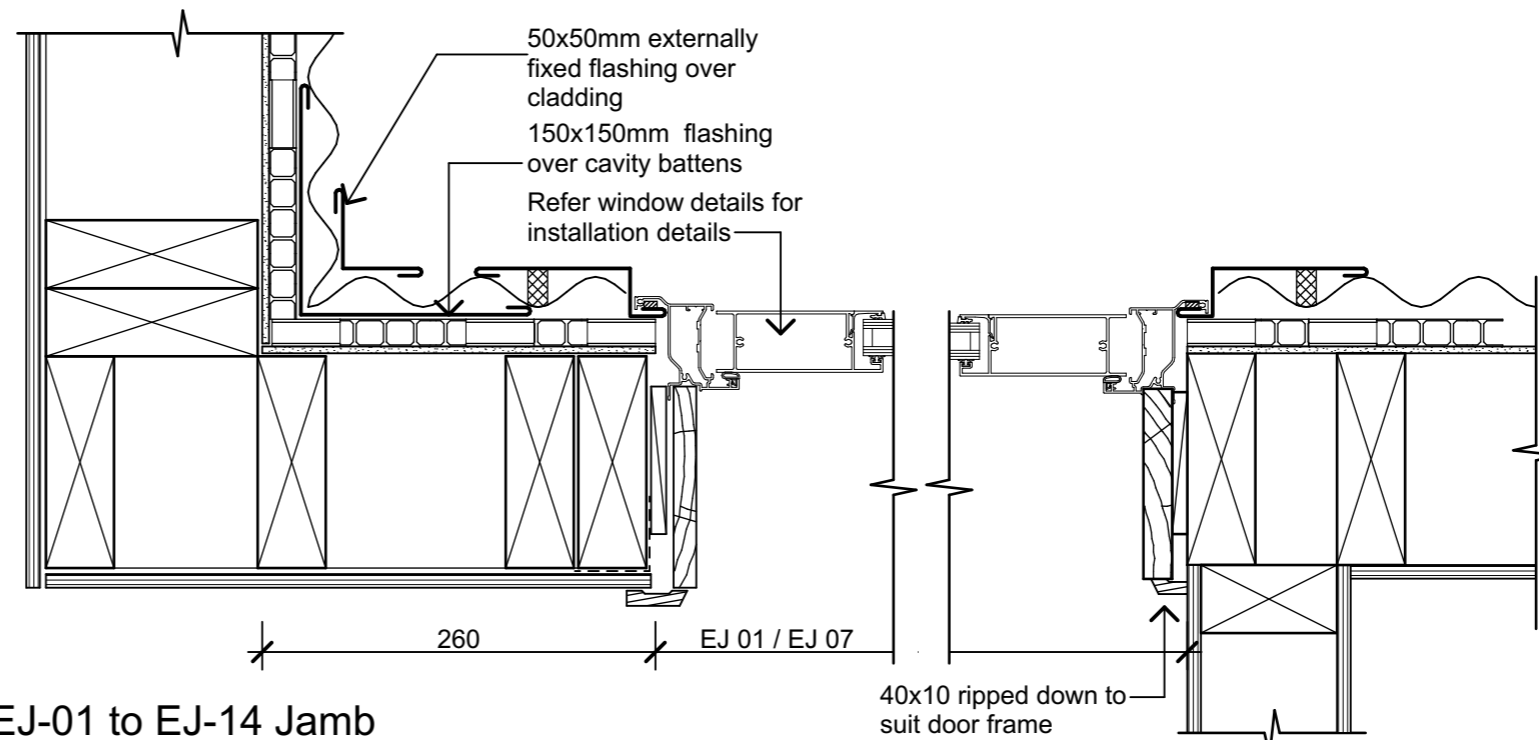
Scale @ A3:
Drawing No: 20
Revision: A

Material Notes:

- a COLORCOTE Zinacore Dimond Solar Rib roofing over SISALATION SUREWRAP roofing underlay over 70 x 45 H3.2 purlins on flat @ 800c/c max. evenly spaced, with end purlins @ 500mm c/c. Refer specification for fixings of roofing and purlins.
- b COLORCOTE Zinacore 0.40 BMT CORRUGATE PROFILE cladding over Sisalation SureWrap wall underlay over cavity battens over 4.5mm HomeRAB Pre-Cladding board system over timber framing
- c CHH 9mm ECOPLY BD grade untreated ceiling lining over 70 x 35 H1.2 battens @ 600c/c max.
- d CHH 9mm ECOPLY BD grade untreated wall lining with 10mm gap to flooring.
- e CHH 19mm ECOPLY CD grade H3.2 CCA 2400x1200 LS flooring over timber joists. Refer to foundation plan for sub floor framing sizes & c/c.
- f 150x50 rough sawn H3.2 Radiata with top edges arised with webforge insert at doors
- g 4.5mm Hardiflex with PVC jointers



1 External Corner Detail
06 Scale 1:5



2 EJ-01 to EJ-14 Jamb
06 Scale 1:5

3 EJ-01 to EJ-14 Jamb
Scale 1:5

PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: Project No: 1772

Mintaro Hut
Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

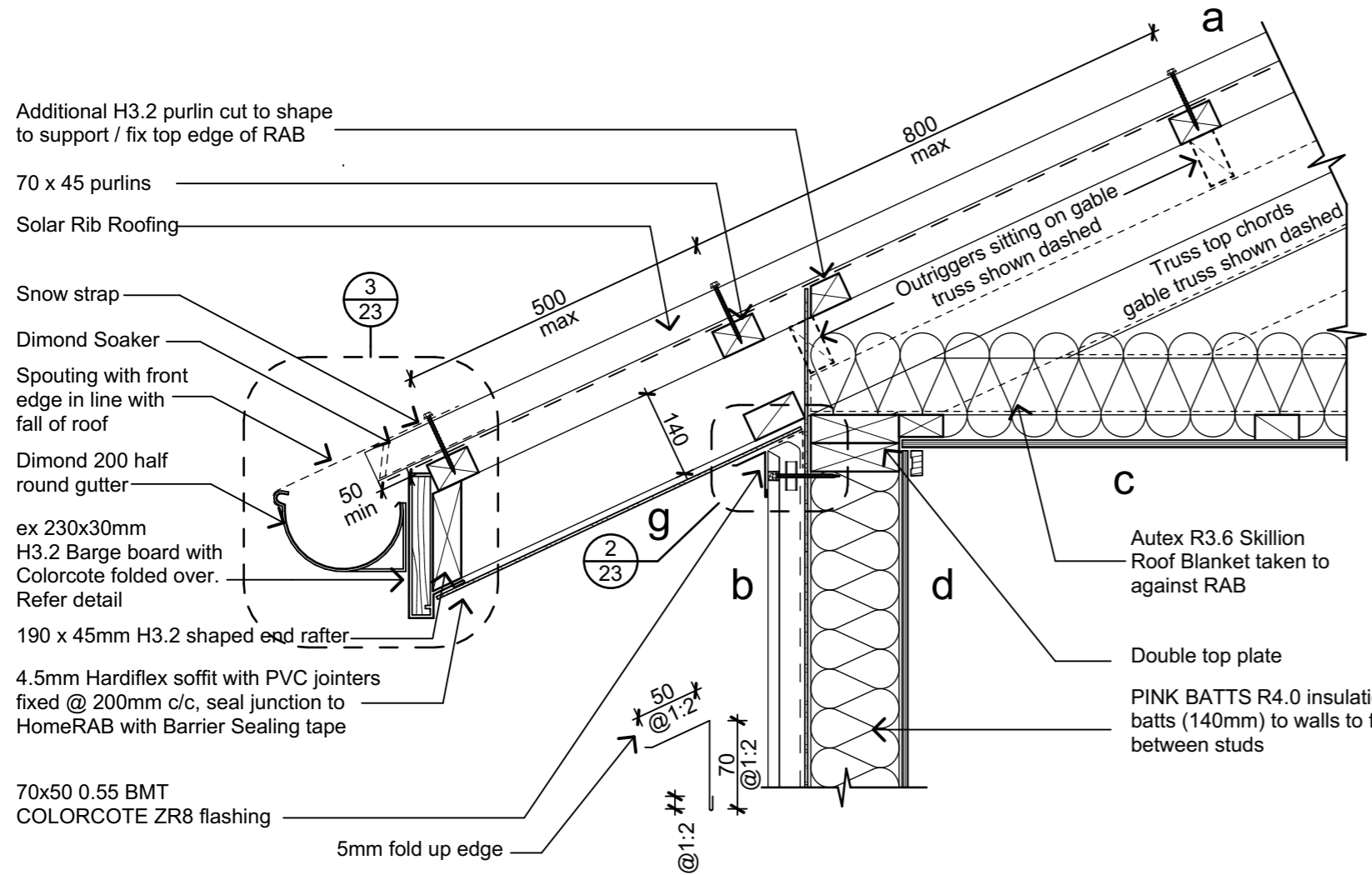
Drawing Name:

Exterior Door Details

Revisions		
A	Detail Design	14/06/2019

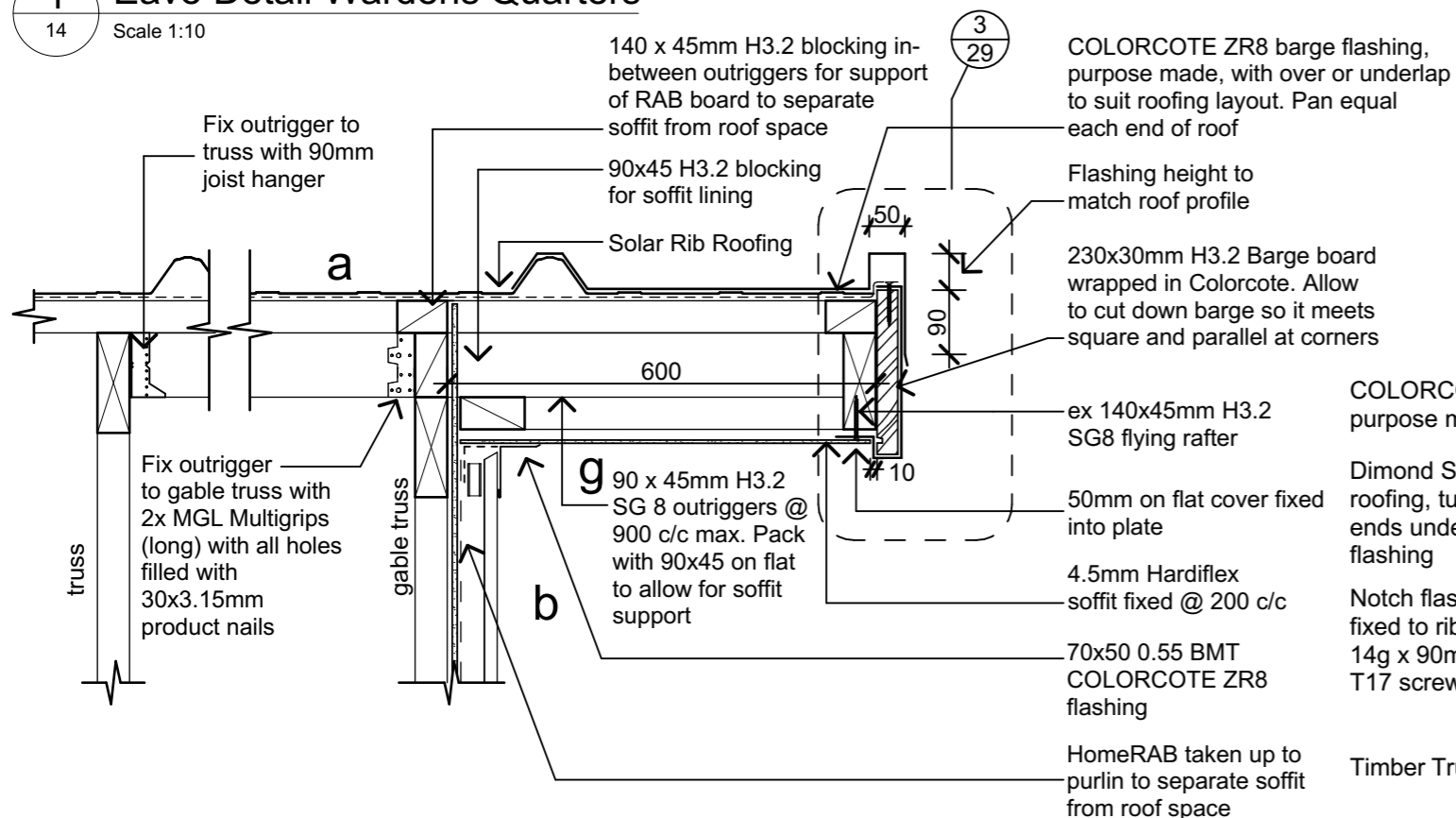
Scale @ A3: 1:5

Drawing No: **21** Revision: **A**



1 Eave Detail Wardens Quarters

14 Scale 1:10



3 Gable End Wardens Quarters

15 Scale 1:10

140x45 H3.2 Blocking as required to fix RAB and cladding

Seal apron flashing over building wrap with HomeRAB Sealing tape

Compressible, profiled, closed cell foam strips to fit the sheet profile behind cladding

0.55 BMT COLORCOTE ZR8 Apron flashing over Dimond Zed flashing on 1.5x25mm Inseal fitted to the underside for the full length of the flashing

Purlins fixed to stringer with edge purlin over stringer

Roofing underlay carried up face of RAB behind apron flashing

90x45 H3.2 stringer fixed to wall framing

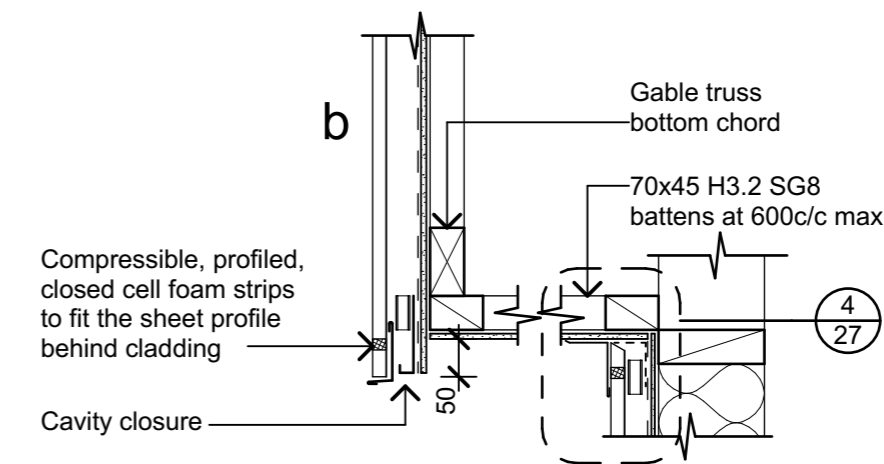
Autex R3.6 Skillion Roof Blanket taken to against RAB

Double top plate

PINK BATTS R4.0 insulation batts (140mm) to walls to fit between studs

2 Apron Flashing

15 Scale 1:10



5 Deck Soffit Edge

15 Scale 1:10

COLORCOTE ZR8 purpose made flashing

Dimond Solar Rib roofing, turn up ends under ridge flashing

Notch flashing fixed to ribs with 14g x 90mm T17 screws

Timber Truss

NOTE: Allow clear area of 20mm on either side of pan, to be installed strictly in accordance with the manufacturers installation instructions

Z flashing on double sided tape

20 min

20 min

4 Truss Ridge Detail

14 Scale 1:10

Material Notes:

a COLORCOTE Zinacore Dimond Solar Rib roofing over SISALATION SUREWRAP roofing underlay over 70 x 45 H3.2 purlins on flat @ 800c/c max. evenly spaced, with end purlins @ 500mm c/c. Refer specification for fixings of roofing and purlins.

b COLORCOTE Zinacore 0.40 BMT CORRUGATE PROFILE cladding over Sisalation SureWrap wall underlay over cavity battens over 4.5mm HomeRAB Pre-Cladding board system over timber framing

c CHH 9mm ECOPLY BD grade untreated ceiling lining over 70 x 35 H1.2 battens @ 600c/c max.

d CHH 9mm ECOPLY BD grade untreated wall lining with 10mm gap to flooring.

e CHH 19mm ECOPLY CD grade H3.2 CCA 2400x1200 LS flooring over timber joists. Refer to foundation plan for sub floor framing sizes & c/c.

f 150x50 rough sawn H3.2 Radiata with top edges arised with webforge insert at doors

g 4.5mm Hardiflex with PVC jointers

PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut** Project No: **1772**

Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

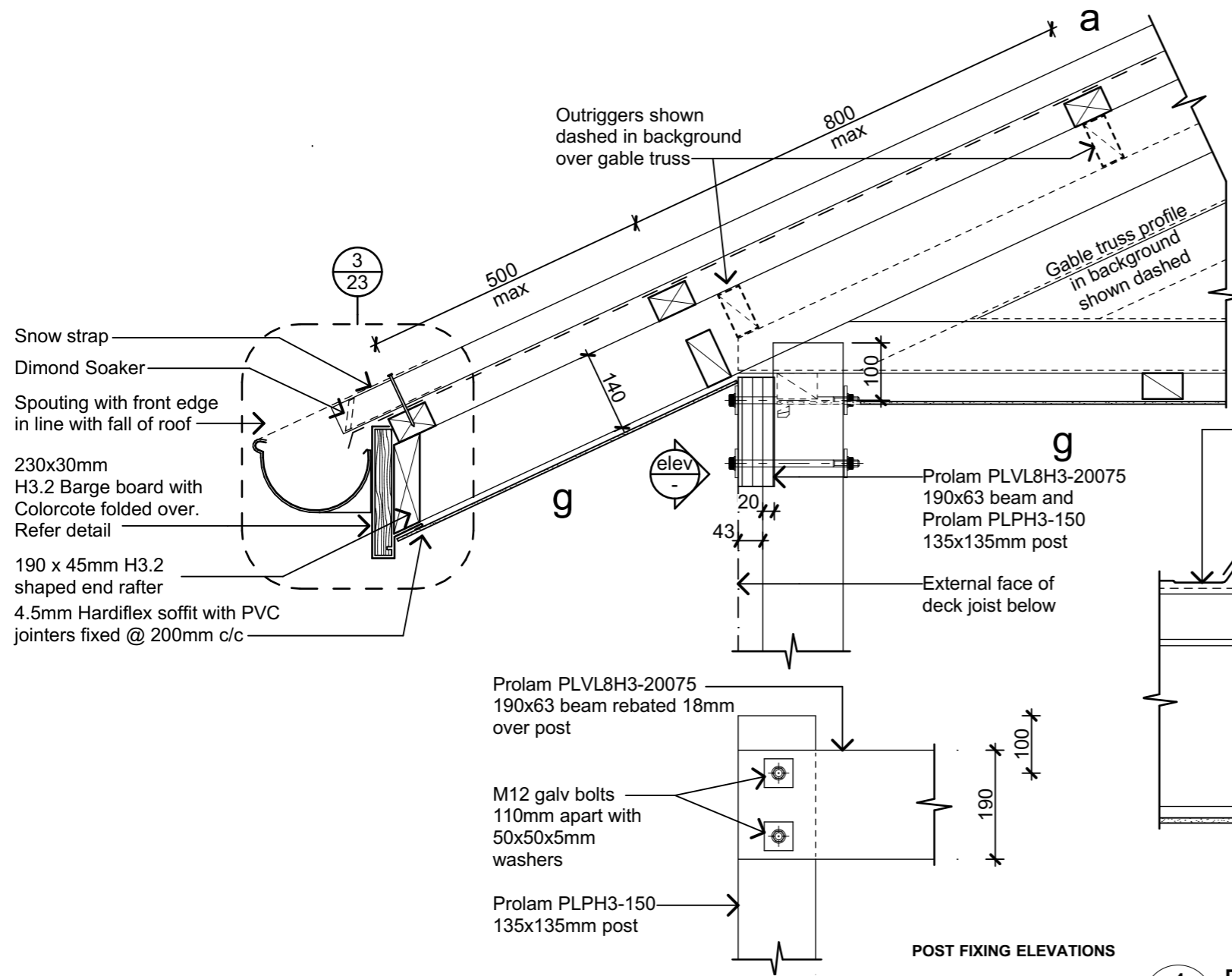
Drawing Name:

Roof Details

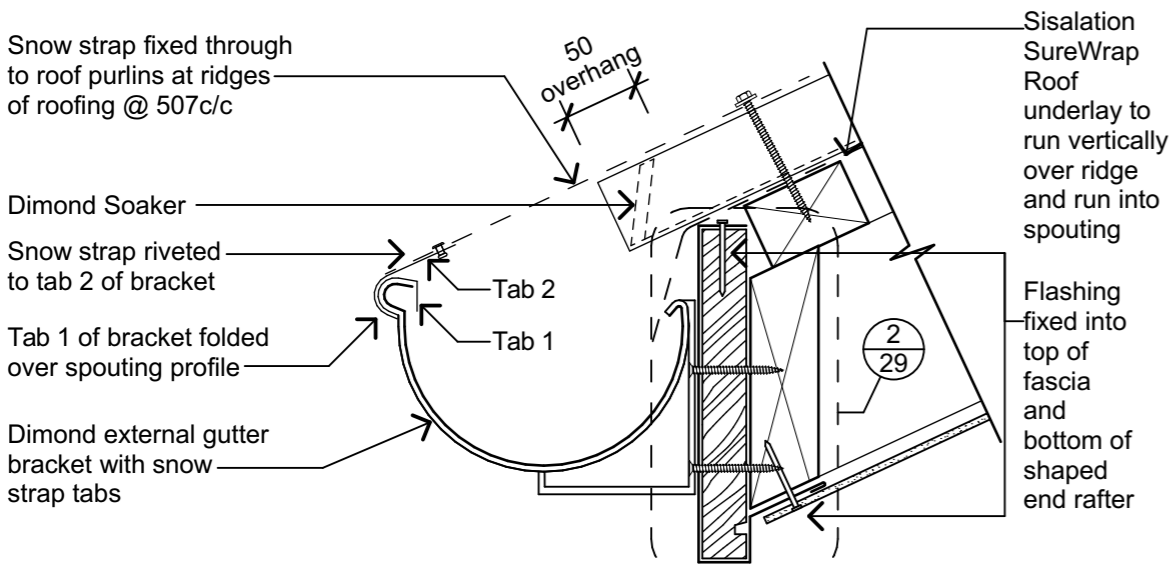
Scale @ A3: **1:10**

Drawing No: **22** Revision: **A**

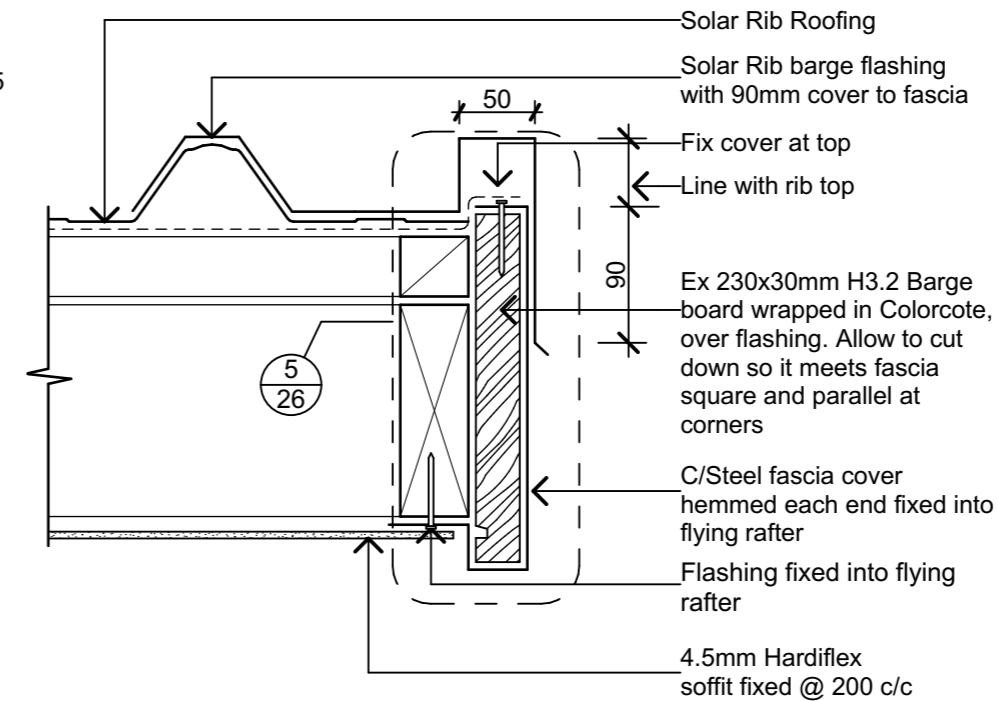
Revisions		
A	Detail Design	14/06/2019



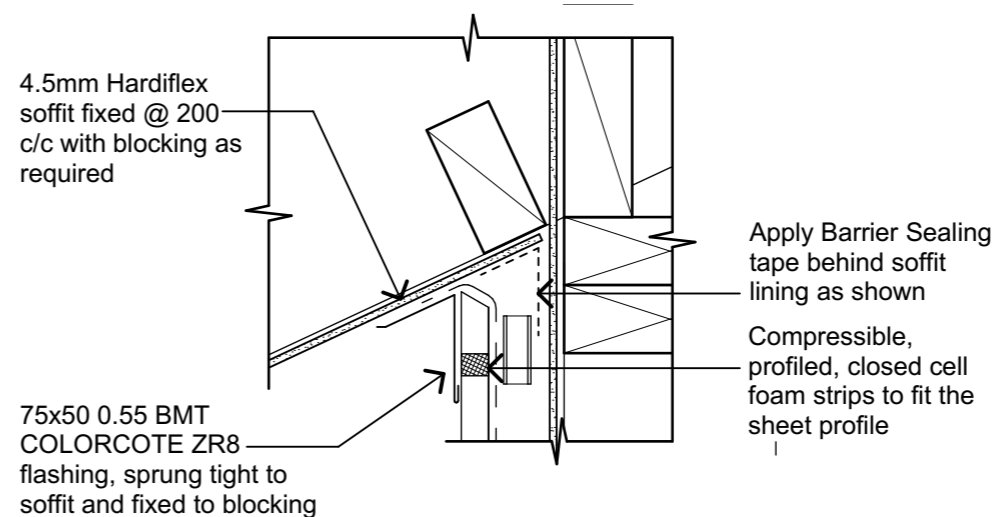
1 Eave Detail Deck Wardens Quarters
Scale 1:10



3 Spouting Fixing Detail
Scale 1:5



4 Barge Detail
Scale 1:5



2 Eave Flashing Detail
Scale 1:5

Revisions		
A	Detail Design	14/06/2019

Material Notes:

- a** COLORCOTE Zinacore Dimond Solar Rib roofing over SISALATION SUREWRAP roofing underlay over 70 x 45 H3.2 purlins on flat @ 800c/c max. evenly spaced, with end purlins @ 500mm c/c. Refer specification for fixings of roofing and purlins.
- b** COLORCOTE Zinacore 0.40 BMT CORRUGATE PROFILE cladding over Sisalation SureWrap wall underlay over cavity battens over 4.5mm HomeRAB Pre-Cladding board system over timber framing
- c** CHH 9mm ECOPLY BD grade untreated ceiling lining over 70 x 35 H1.2 battens @ 600c/c max.
- d** CHH 9mm ECOPLY BD grade untreated wall lining with 10mm gap to flooring.
- e** CHH 19mm ECOPLY CD grade H3.2 CCA 2400x1200 LS flooring over timber joists. Refer to foundation plan for sub floor framing sizes & c/c.
- f** 150x50 rough sawn H3.2 Radiata with top edges arised with webforge insert at doors
- g** 4.5mm Hardiflex with PVC jointers

PYNENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation
Project Name: **Mintaro Hut Wardens Quarters** Project No: **1772**
Milford Track Fiordland National Park

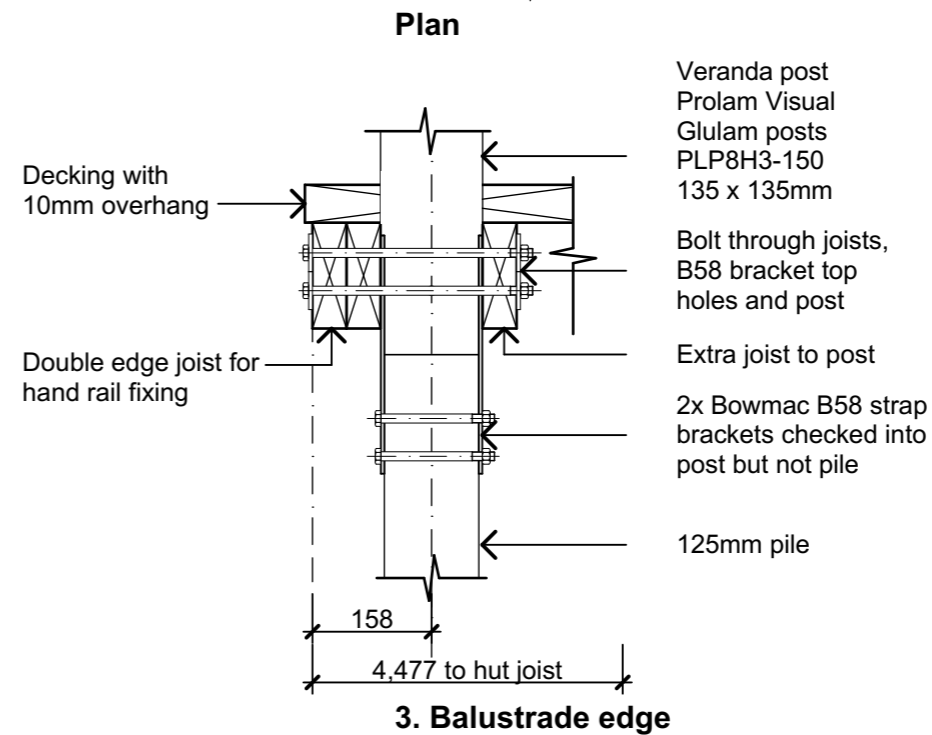
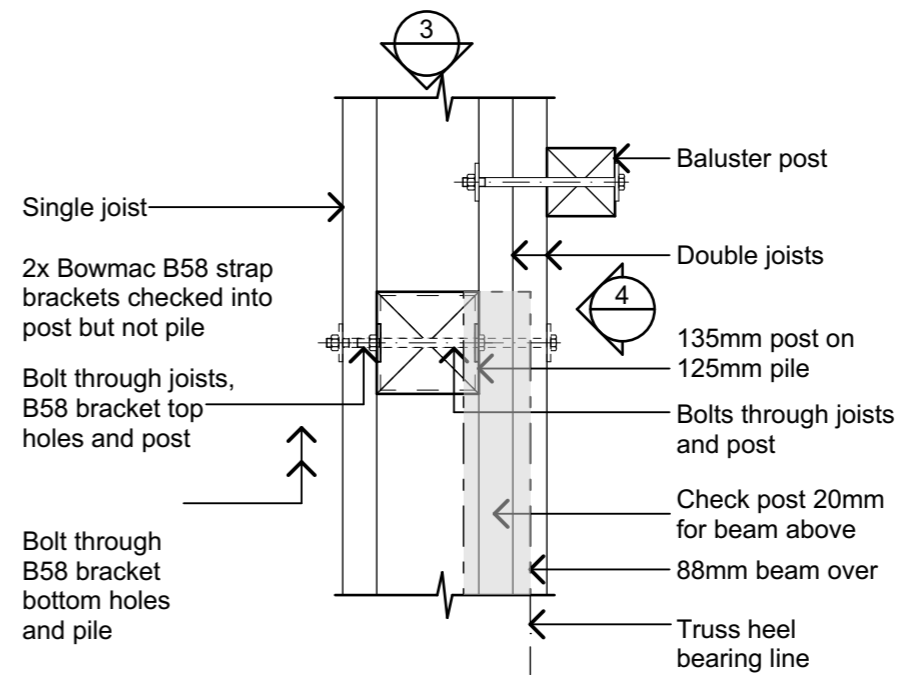
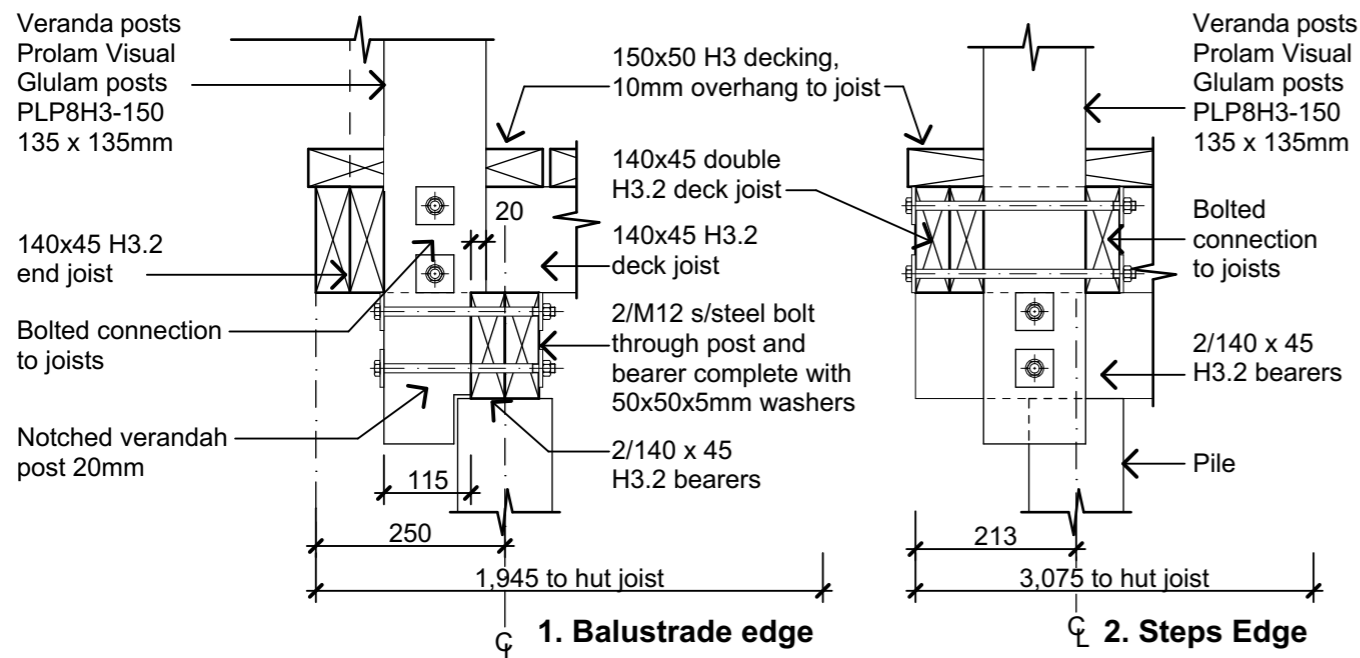
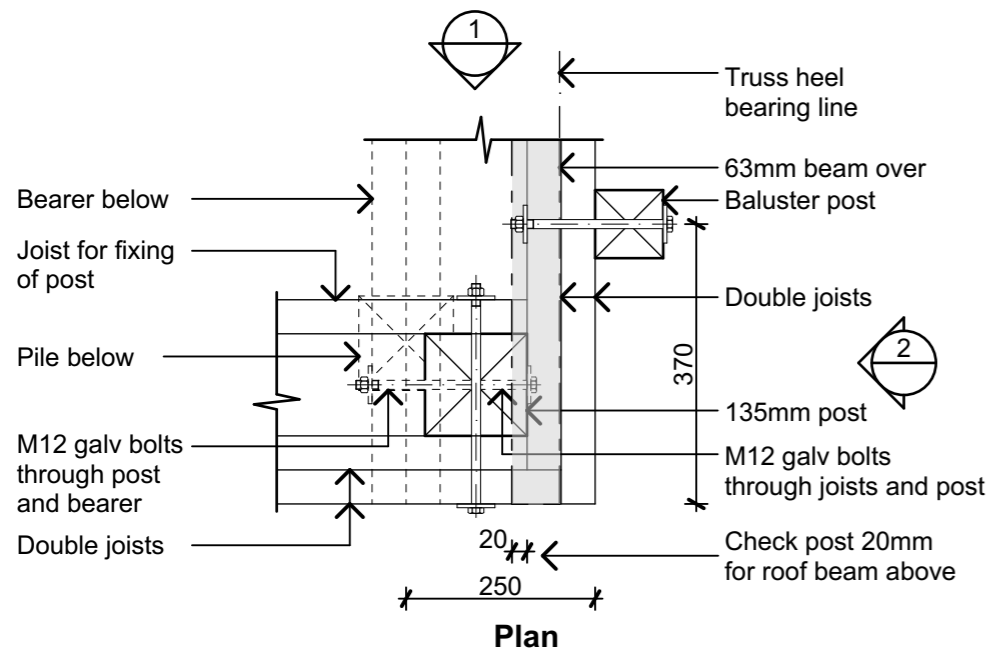
Detailed Design

Drawing Name:

Roof Details

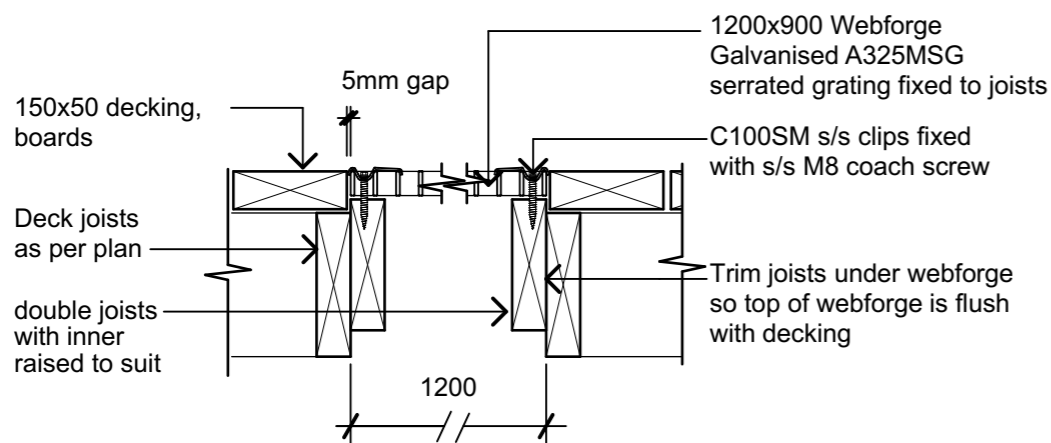
Scale @ A3: **1:10, 1:5**

Drawing No: **23** Revision: **A**



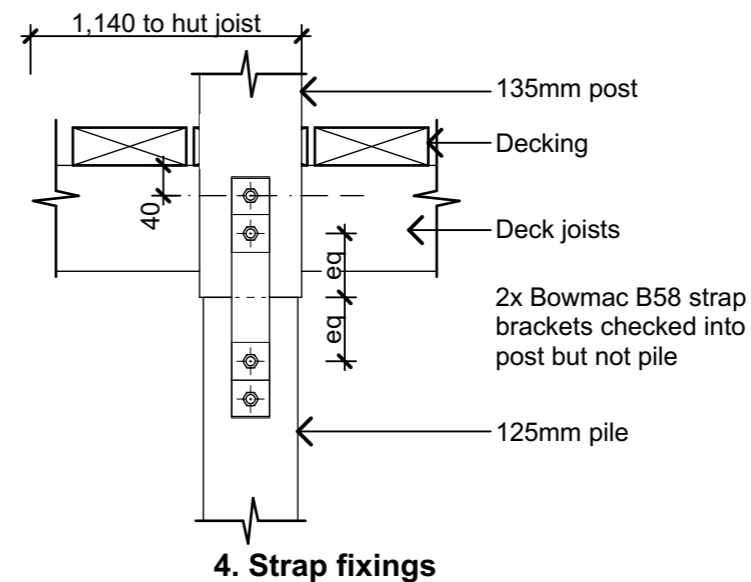
1 Wardens Quarters South Deck Post

15 Scale 1:10



3 Webforge Decking

04 Scale 1:10



2 Warden Quarters North Deck Post

04 Scale 1:10

Revisions		
A	Detail Design	14/06/2019

PYNENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: Mintaro Hut
Project No: 1772

Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

Drawing Name:

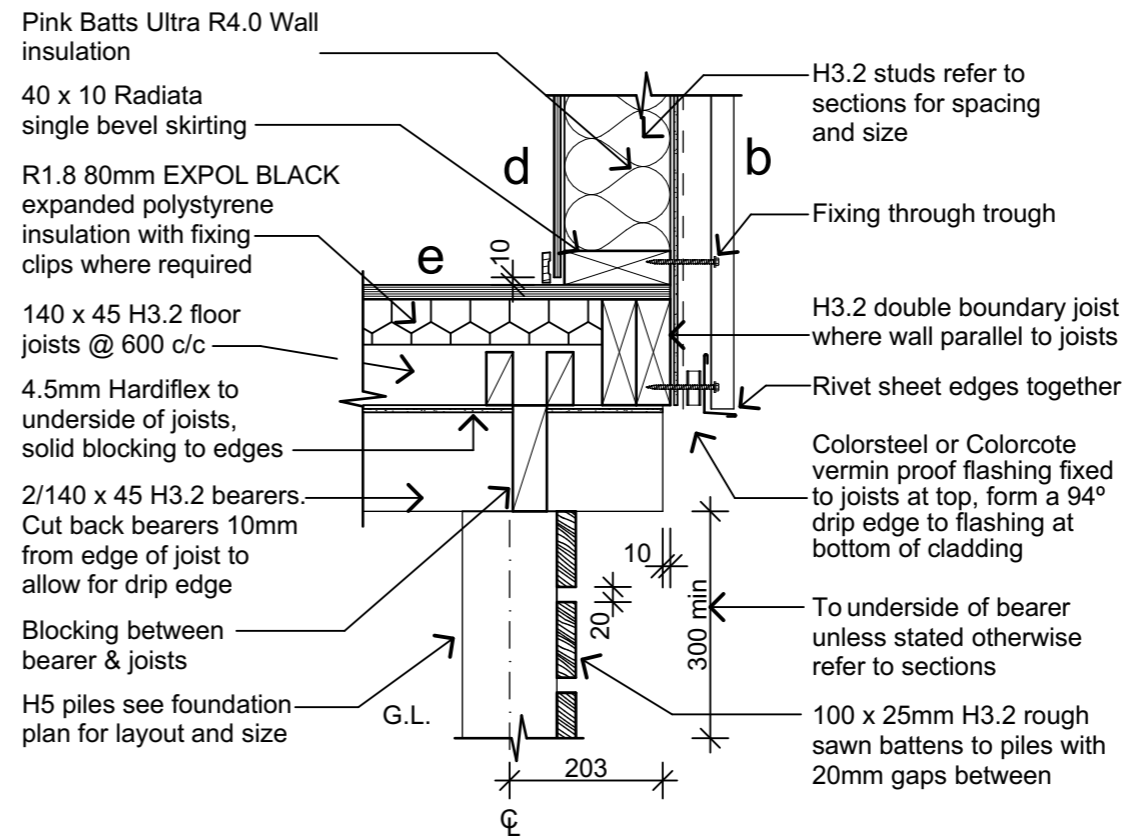
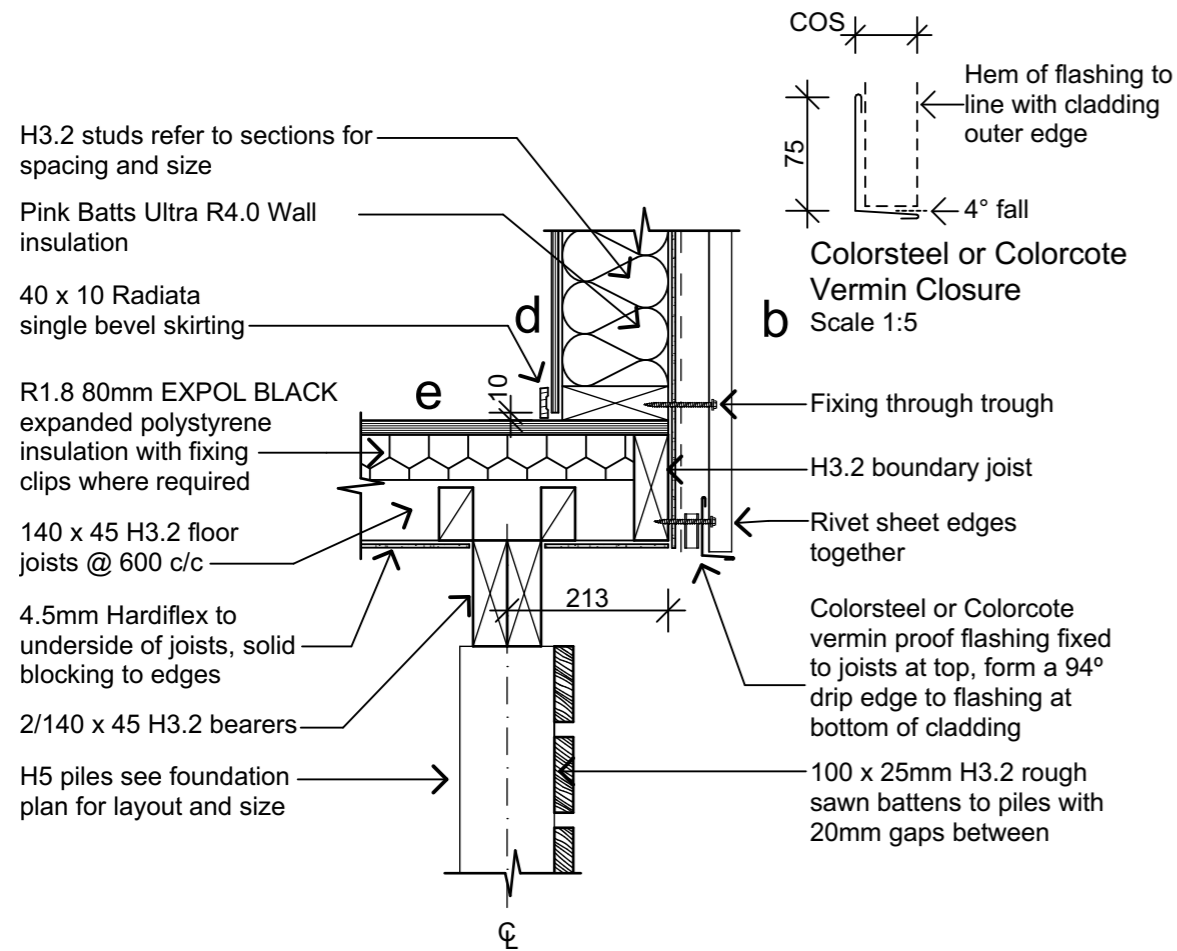
Deck Post Details

Scale @ A3: 1:10

Drawing No: 24
Revision: A

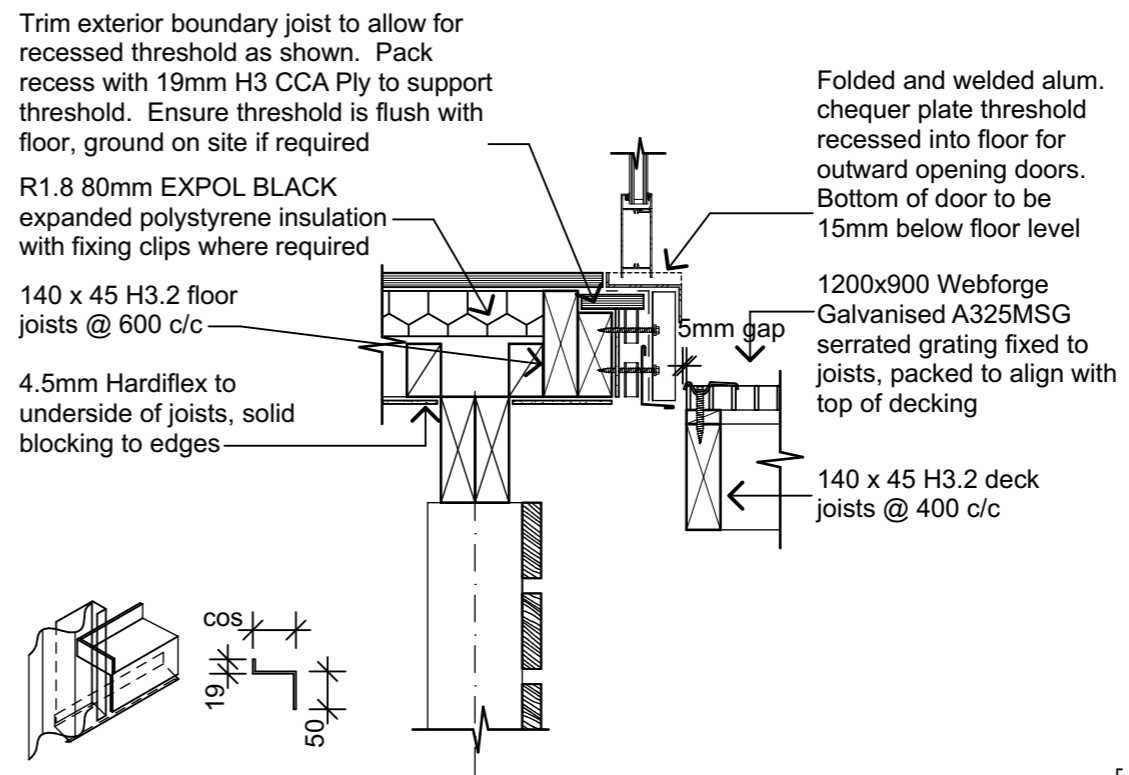
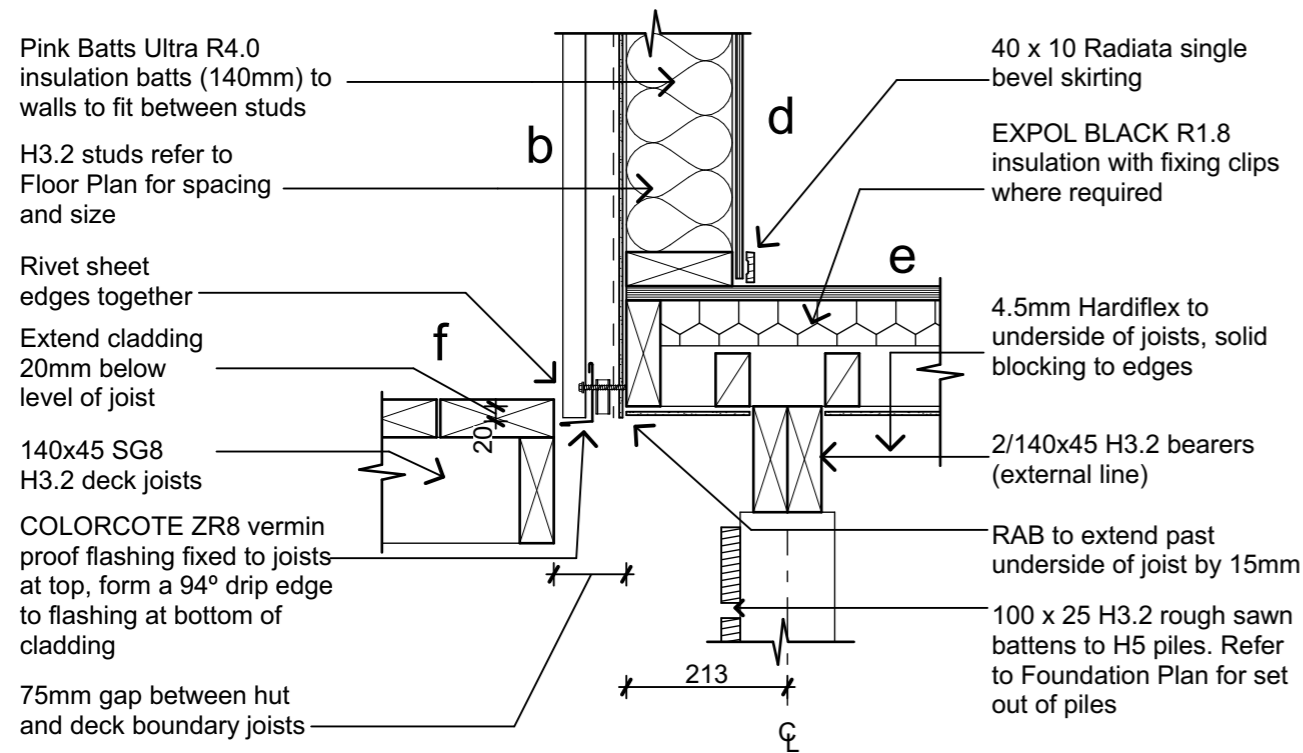
Material Notes:

- a** COLORCOTE Zinacore Dimond Solar Rib roofing over SISALATION SUREWRAP roofing underlay over 70 x 45 H3.2 purlins on flat @ 800c/c max. evenly spaced, with end purlins @ 500mm c/c. Refer specification for fixings of roofing and purlins.
- b** COLORCOTE Zinacore 0.40 BMT CORRUGATE PROFILE cladding over Sisalation SureWrap wall underlay over cavity battens over 4.5mm HomeRAB Pre-Cladding board system over timber framing
- c** CHH 9mm ECOPLY BD grade untreated ceiling lining over 70 x 35 H1.2 battens @ 600c/c max.
- d** CHH 9mm ECOPLY BD grade untreated wall lining with 10mm gap to flooring.
- e** CHH 19mm ECOPLY CD grade H3.2 CCA 2400x1200 LS flooring over timber joists. Refer to foundation plan for sub floor framing sizes & c/c.
- f** 150x50 rough sawn H3.2 Radiata with top edges arised with webforge insert at doors
- g** 4.5mm Hardiflex with PVC jointers



1 WQ Floor Edge 1
14 Scale 1:10

2 WQ Floor Edge 2
15 Scale 1:10



PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut Wardens Quarters**
Project No: **1772**

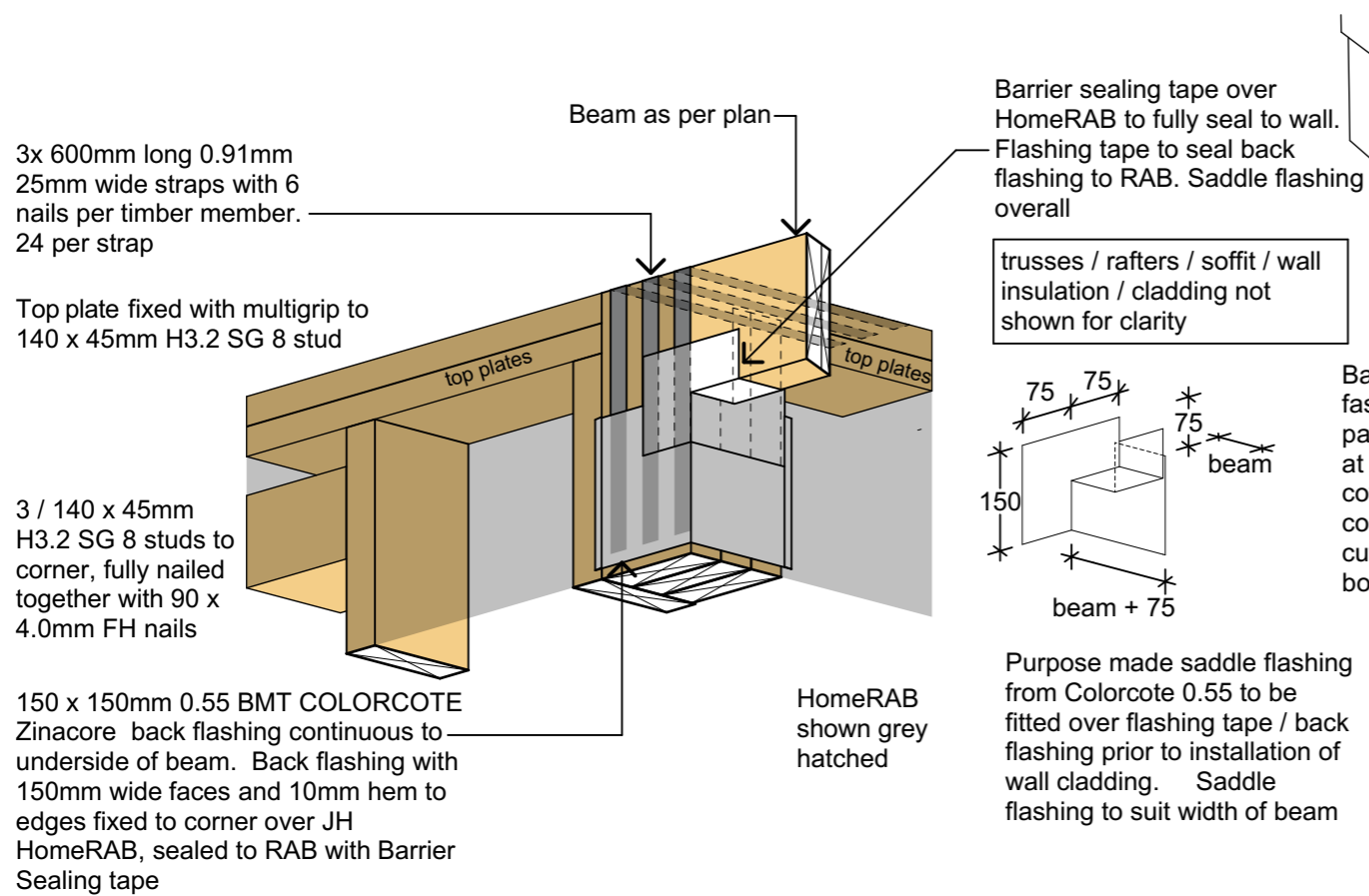
Milford Track Fiordland National Park

Detailed Design
Floor Edge Details

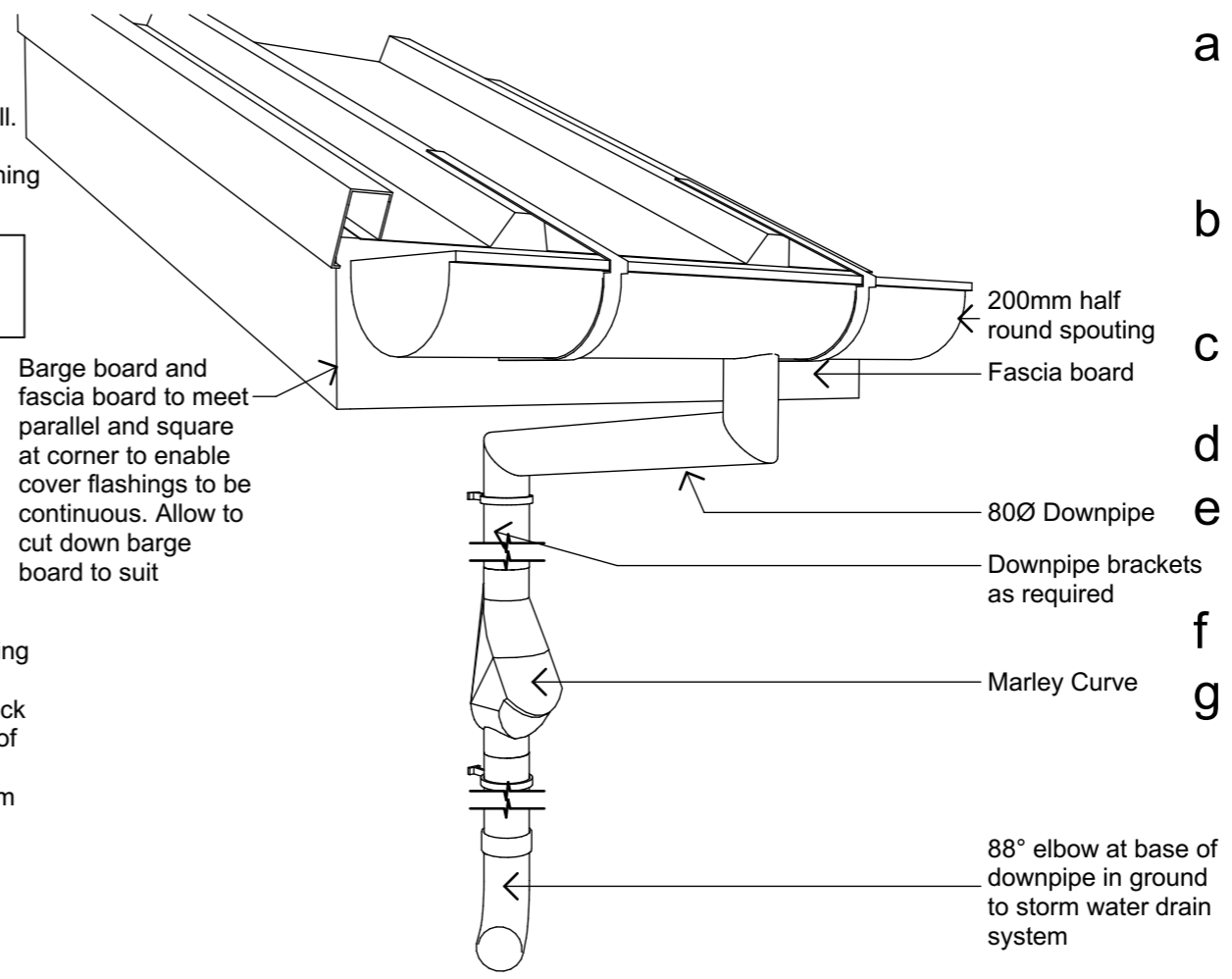
Scale @ A3: **1:10**

Drawing No: **25** Revision: **A**

Revisions		
A	Detail Design	14/06/2019



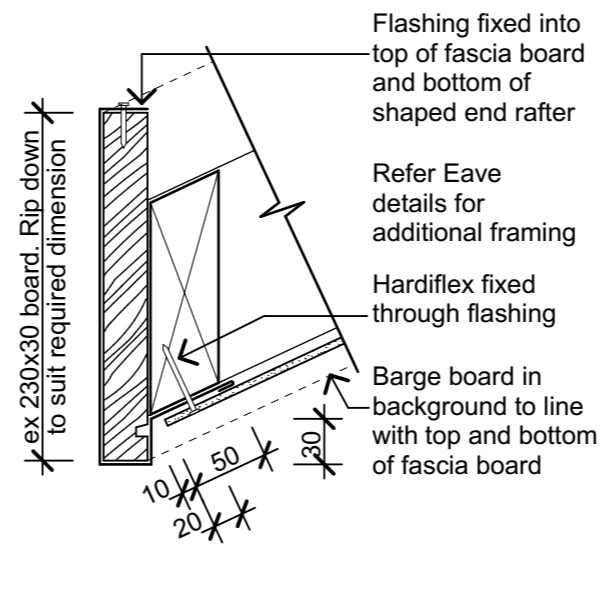
1 North Verandah Beam Connection
06 Scale 1:10



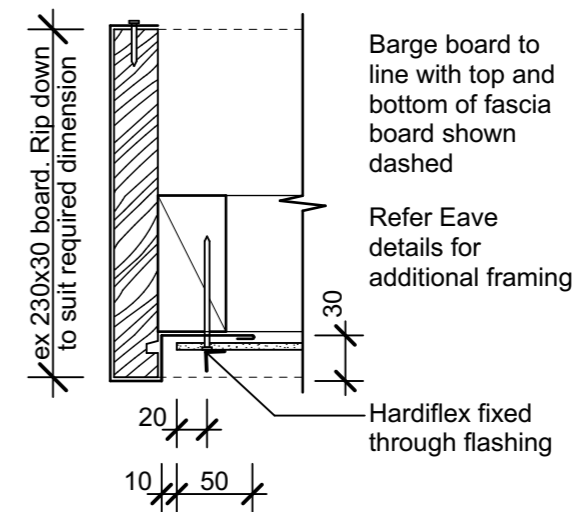
3 Barge/Fascia Junction Spouting Arrangement
09 Scale 1:50



2 Verandah Beam - Wall Detail Isometric (South Deck)
06 Scale 1:10



4 Raking Eave Barge Cover
23 Scale 1:5



5 Flat Eave Barge Cover
23 Scale 1:5

Material Notes:

- a** COLORCOTE Zinacore Dimond Solar Rib roofing over SISALATION SUREWRAP roofing underlay over 70 x 45 H3.2 purlins on flat @ 800c/c max. evenly spaced, with end purlins @ 500mm c/c. Refer specification for fixings of roofing and purlins.
- b** COLORCOTE Zinacore 0.40 BMT CORRUGATE PROFILE cladding over Sisalation SureWrap wall underlay over cavity battens over 4.5mm HomeRAB Pre-Cladding board system over timber framing
- c** CHH 9mm ECOPLY BD grade untreated ceiling lining over 70 x 35 H1.2 battens @ 600c/c max.
- d** CHH 9mm ECOPLY BD grade untreated wall lining with 10mm gap to flooring.
- e** CHH 19mm ECOPLY CD grade H3.2 CCA 2400x1200 LS flooring over timber joists. Refer to foundation plan for sub floor framing sizes & c/c.
- f** 150x50 rough sawn H3.2 Radiata with top edges arised with webforge insert at doors
- g** 4.5mm Hardiflex with PVC jointers

PYNENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: Project No: 1772

Mintaro Hut
Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

Drawing Name:

Roof Details

Revisions		
A	Detail Design	14/06/2019

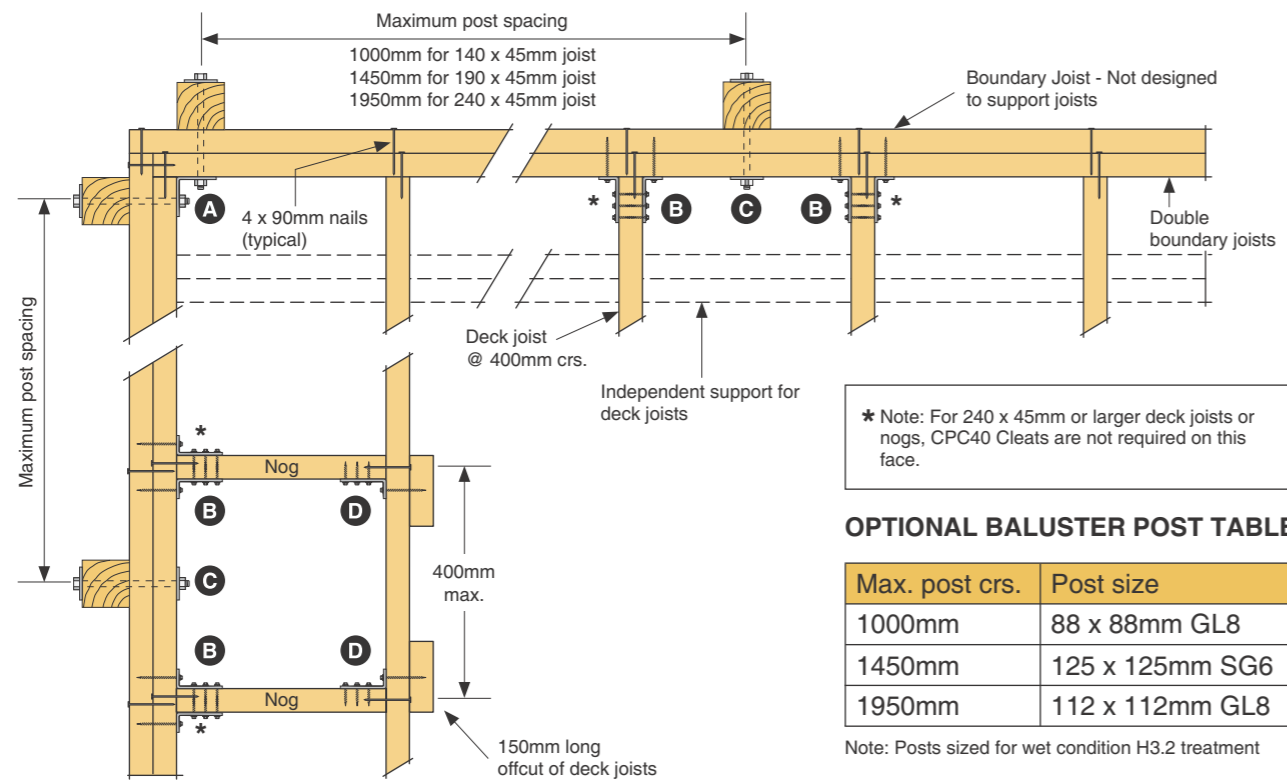
Scale @ A3: 1:10, 1:50, 1:5

Drawing No: **26** Revision: **A**

FACE FIXED BALUSTER POSTS



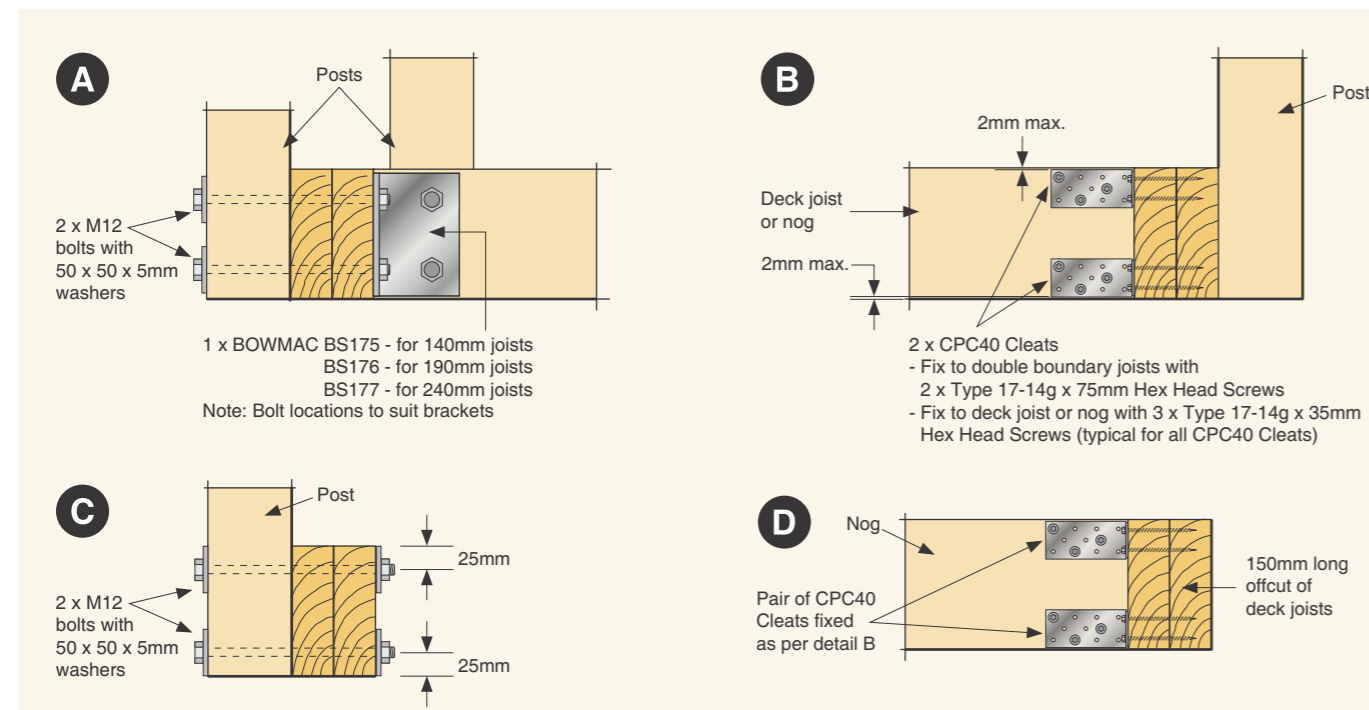
- Complies with Table 3.3 AS/NZS 1170.1:2002 for horizontal load of 0.75kN/m on handrail
- All fixings are designed to provide adequate rotational stability to the handrail system to resist the horizontal load at top of baluster post
- Assumes an approved post and balustrade system is used



OPTIONAL BALUSTER POST TABLE

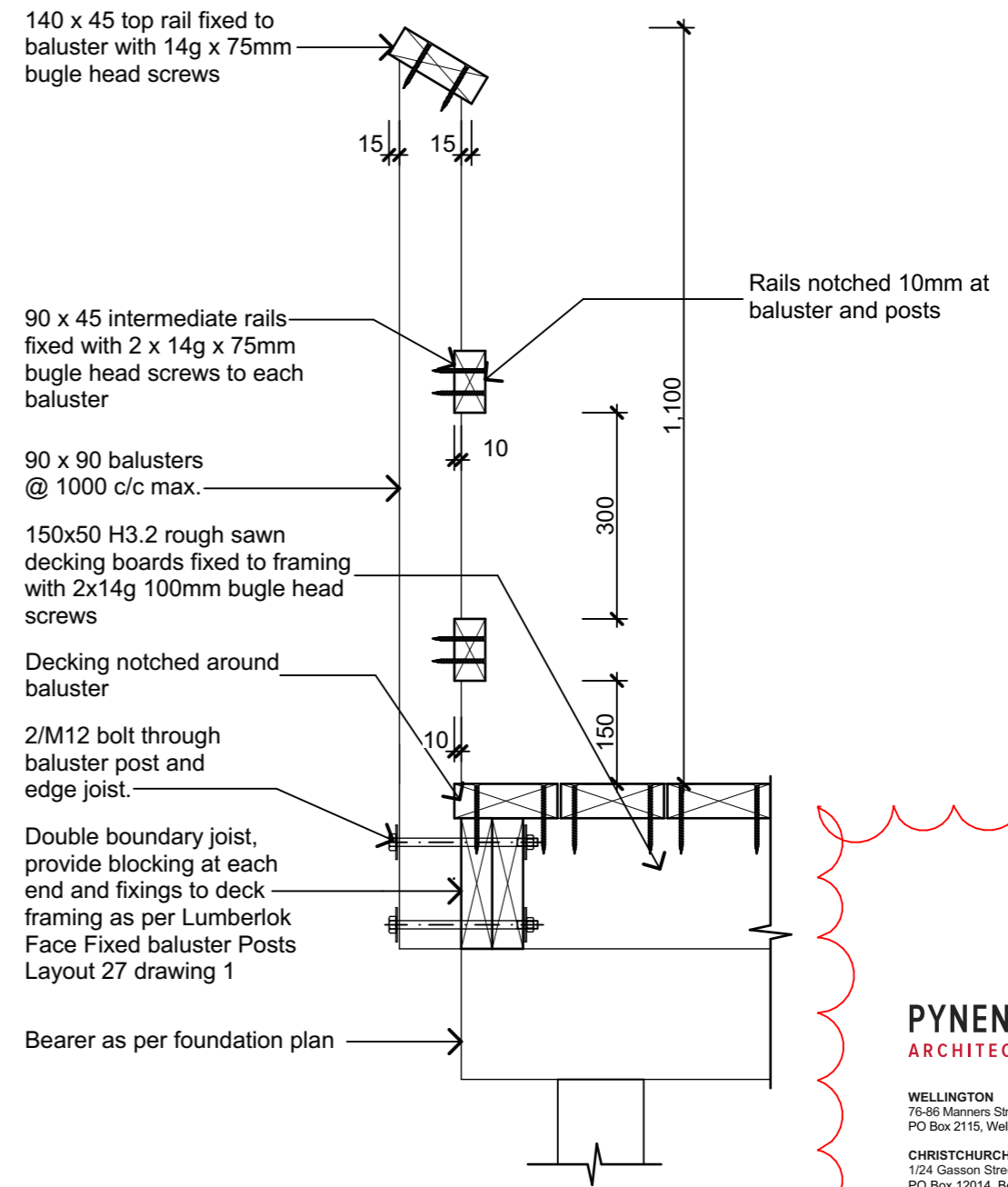
Max. post crs.	Post size
1000mm	88 x 88mm GL8
1450mm	125 x 125mm SG6
1950mm	112 x 112mm GL8

Note: Posts sized for wet condition H3.2 treatment



1 Lumberlok Face Fixed baluster Posts

Scale 1:10



2 Deck Balustrade Detail

15 Scale 1:10

PYENBURG & COLLINS
 ARCHITECTS

WELLINGTON
 76-86 Manners Street, Wellington 6011
 PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
 1/24 Gasson Street, Sydenham, Christchurch 8023
 PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut Wardens Quarters Milford Track Fiordland National Park** Project No: **1772**

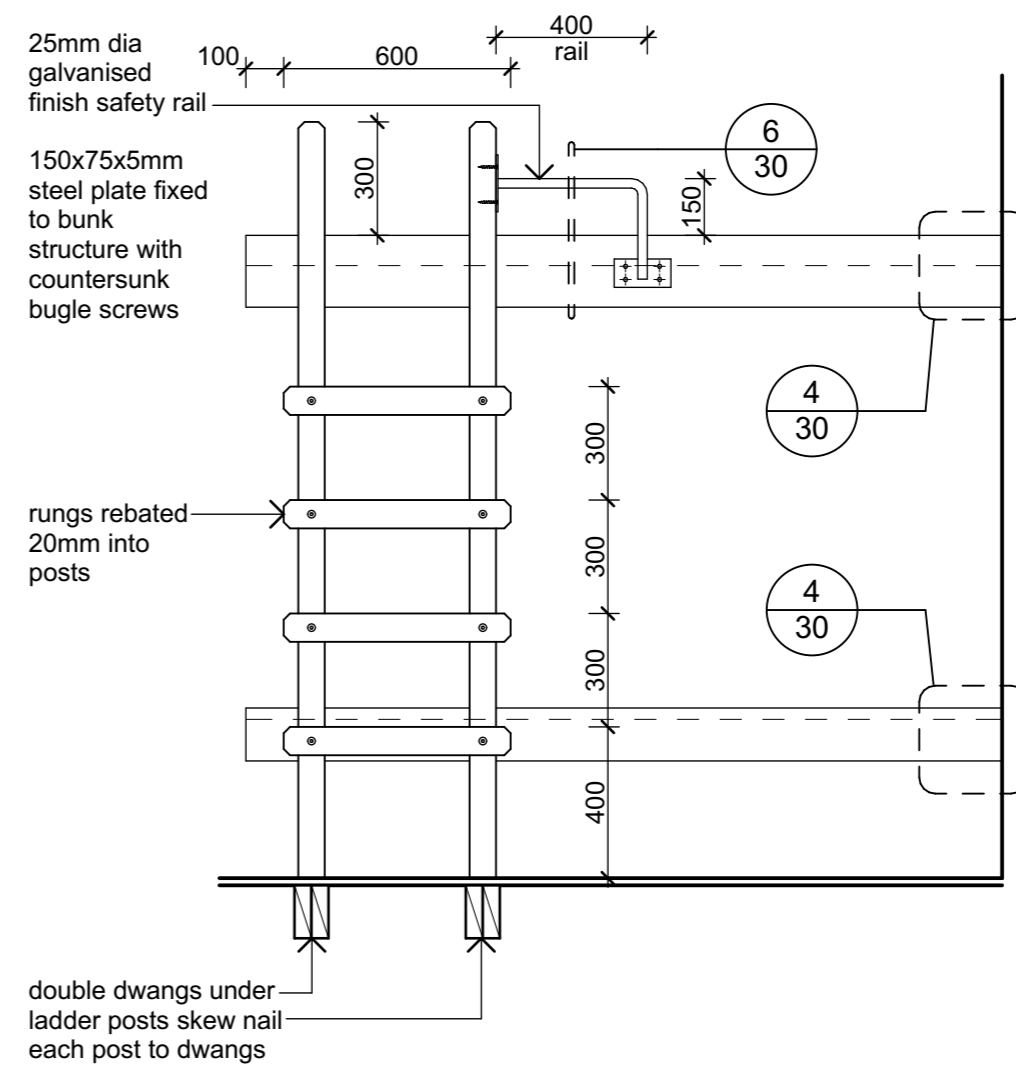
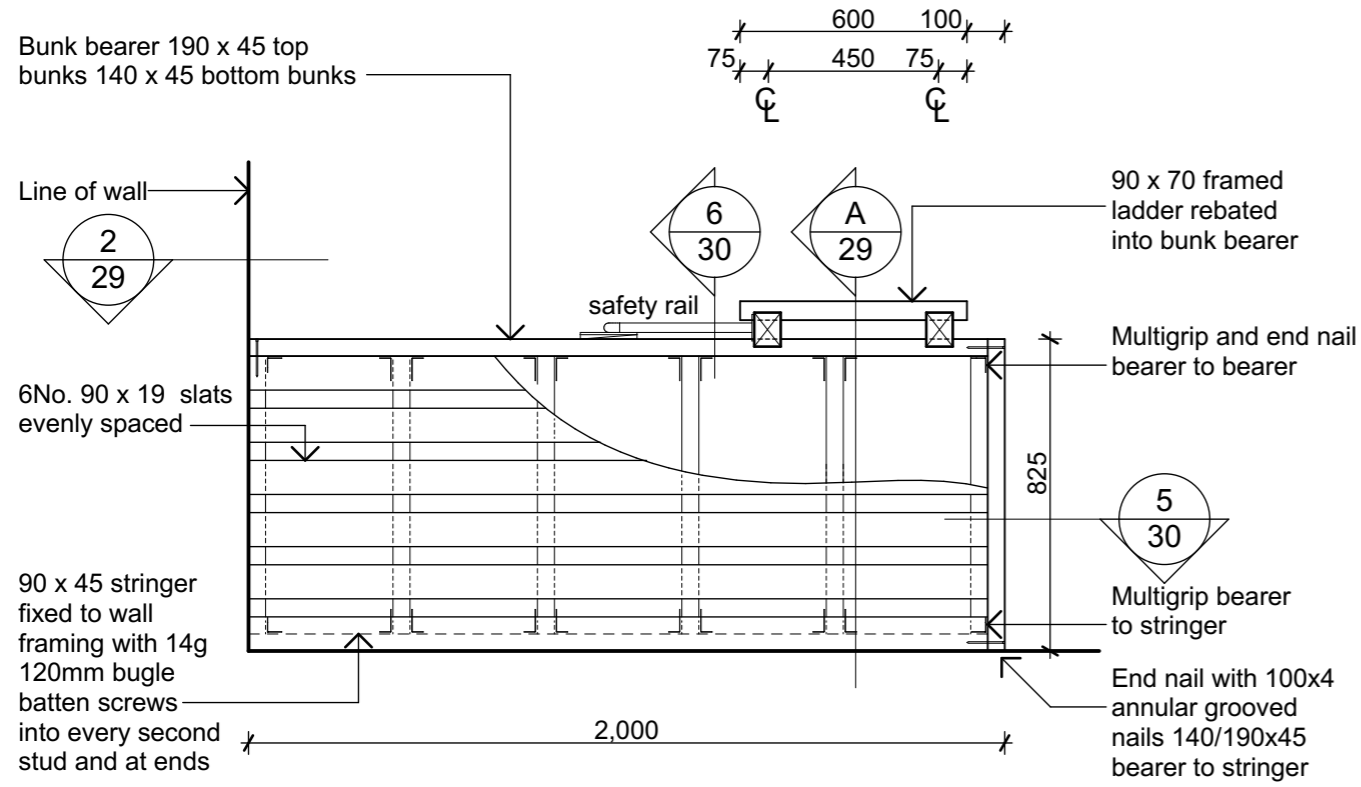
Detailed Design

Drawing Name:
Balustrade Details

Revisions		
B	Structure & Details	5/09/2019
A	Detail Design	14/06/2019

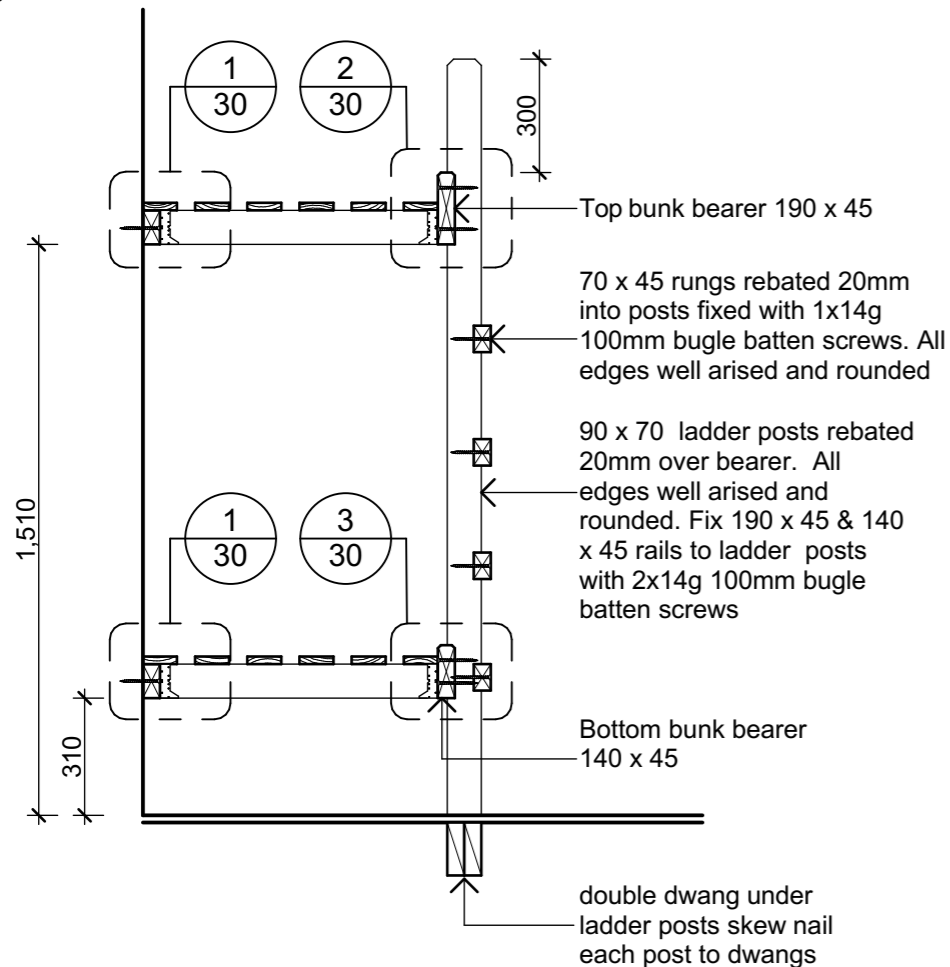
Scale @ A3: **1:10**

Drawing No: **27** Revision: **B**



1 Individual Bunk Plan
Scale 1:20

2 Individual Bunk Elevation
Scale 1:20



A Individual Bunk Section
Scale 1:20

Notes

- All timber framing to bunks to be untreated Radiata Clears D4S

PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut** Project No: **1772**

Wardens Quarters
Milford Track Fiordland National Park

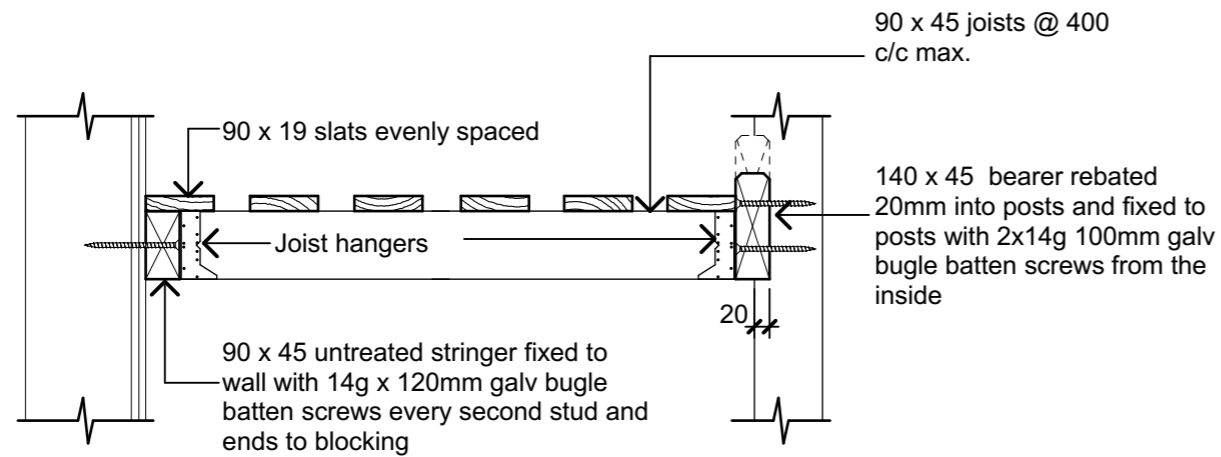
Detailed Design

Drawing Name:
Individual Bunk

Revisions		
A	Detail Design	14/06/2019

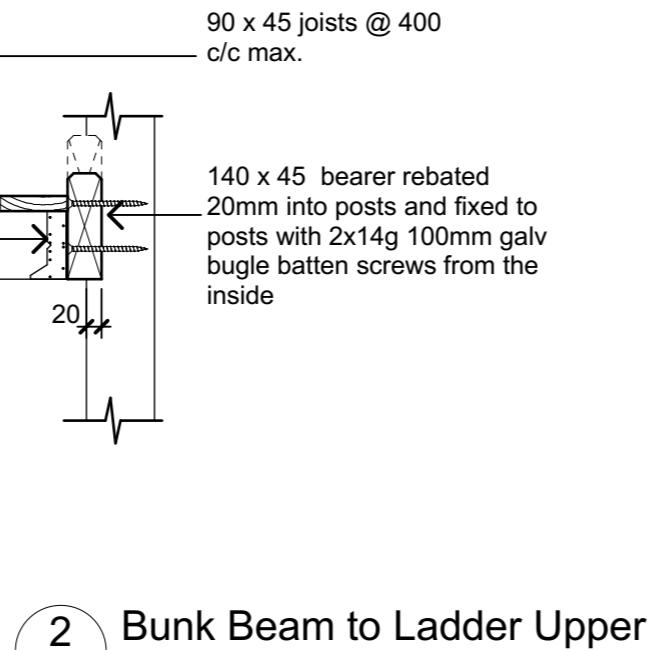
Scale @ A3: **1:20**

Drawing No: **29** Revision: **A**



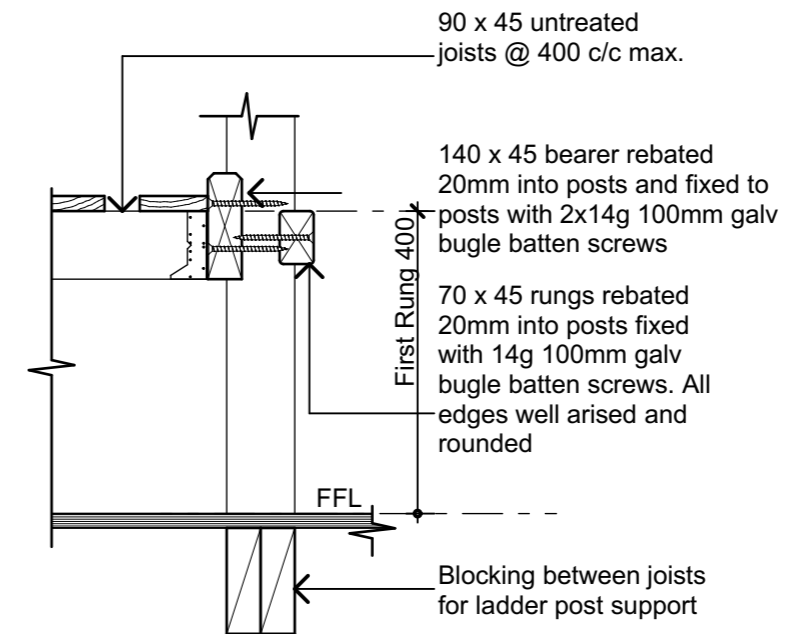
1 Stringer to Wall Connection

30 Scale 1:10



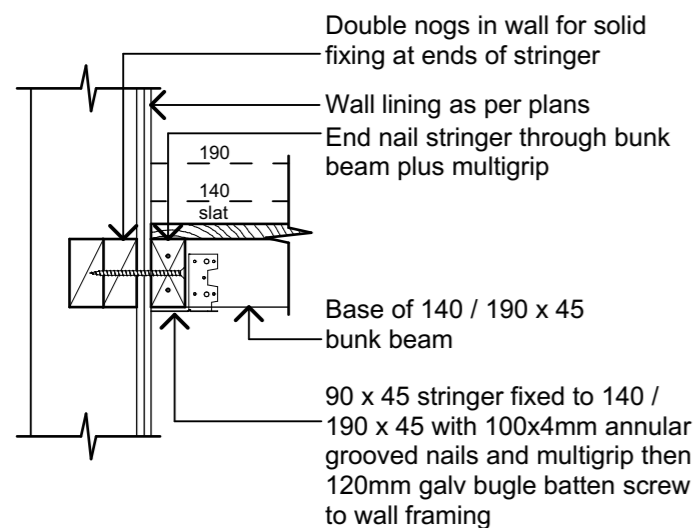
2 Bunk Beam to Ladder Upper

30 Scale 1:10



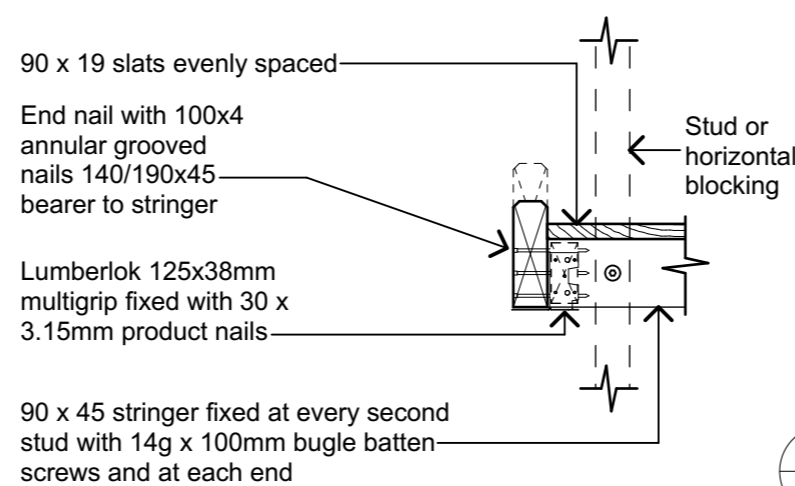
3 Bunk Beam to Ladder Lower

30 Scale 1:10



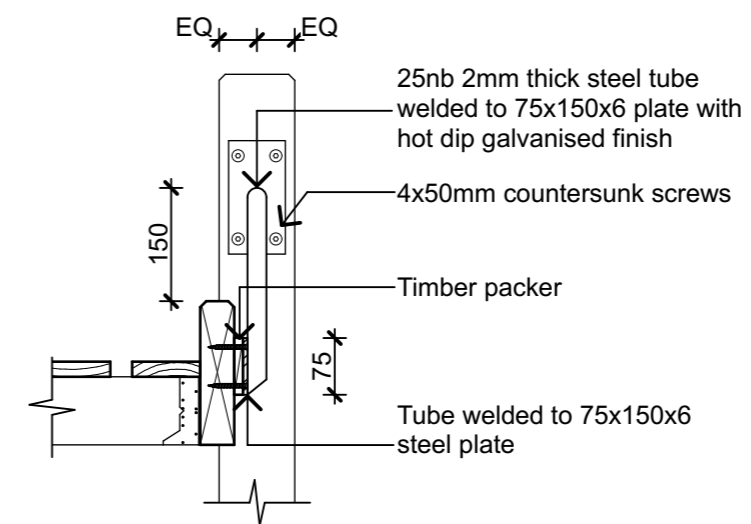
4 Stringer to Bearer Connection

30 Scale 1:10



5 Bunk Beam to Wall Detail

30 Scale 1:10



6 Safety Rail Connection

30 Scale 1:10

Notes

1. All timber framing to bunks to be untreated Radiata Clears D4S

NOTE:
All timber framing to bunks shall be untreated Radiata clears D4S

PYNEBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Wardens Quarters** Project No: **1772**

Mintaro Hut
Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

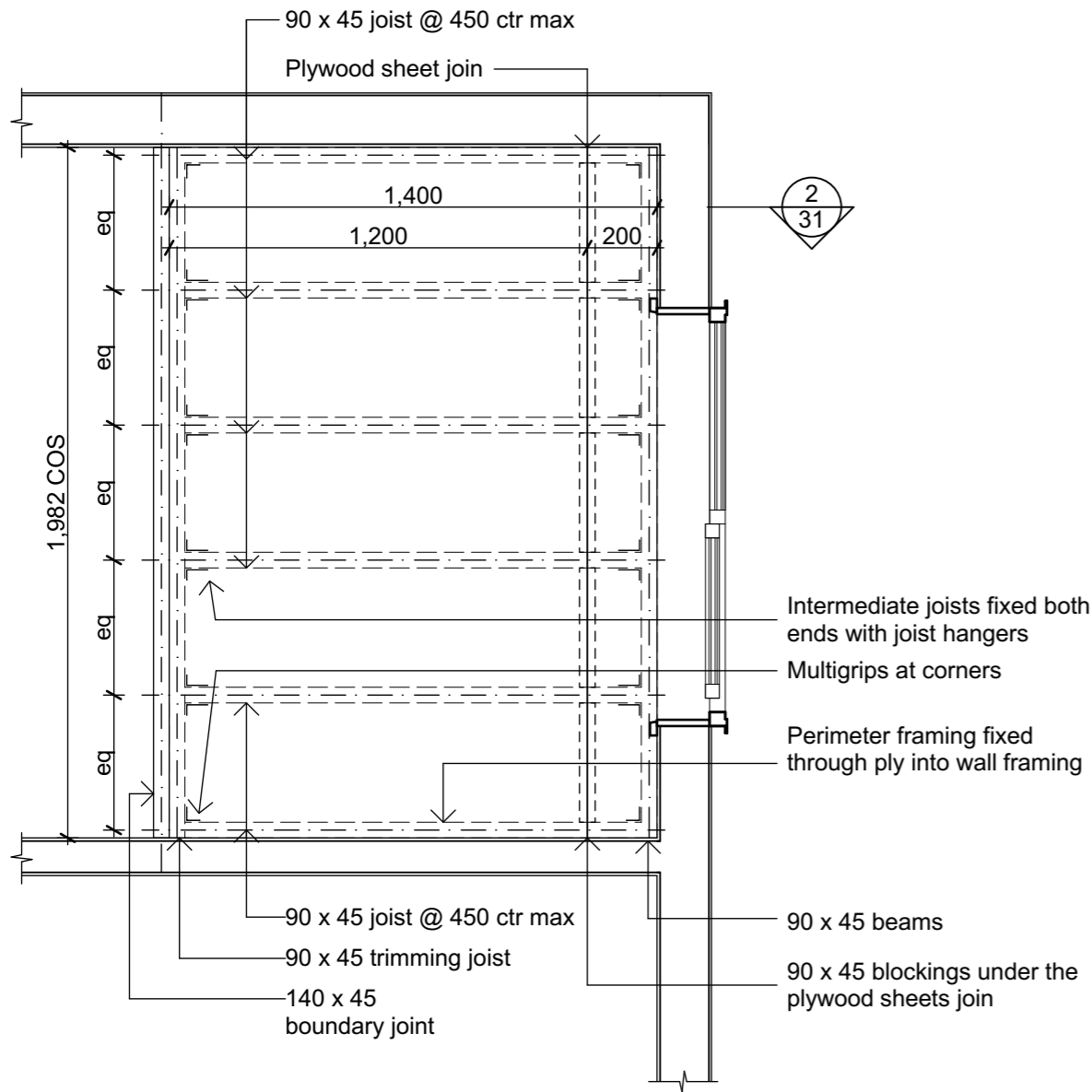
Drawing Name:

Individual Bunk Details

Revisions		
A	Detail Design	14/06/2019

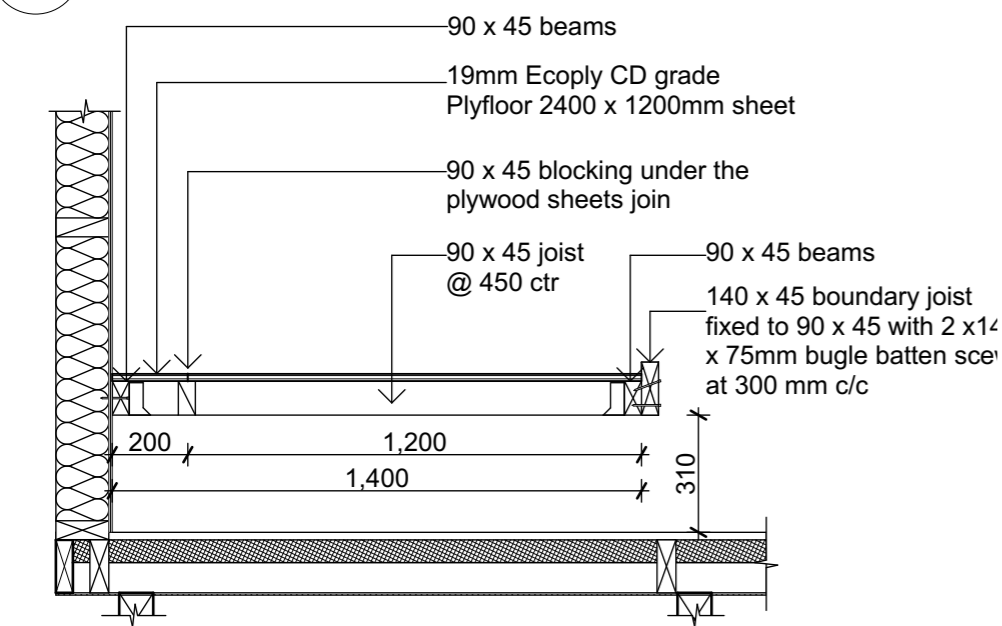
Scale @ A3: **1:10**

Drawing No: **30** Revision: **A**



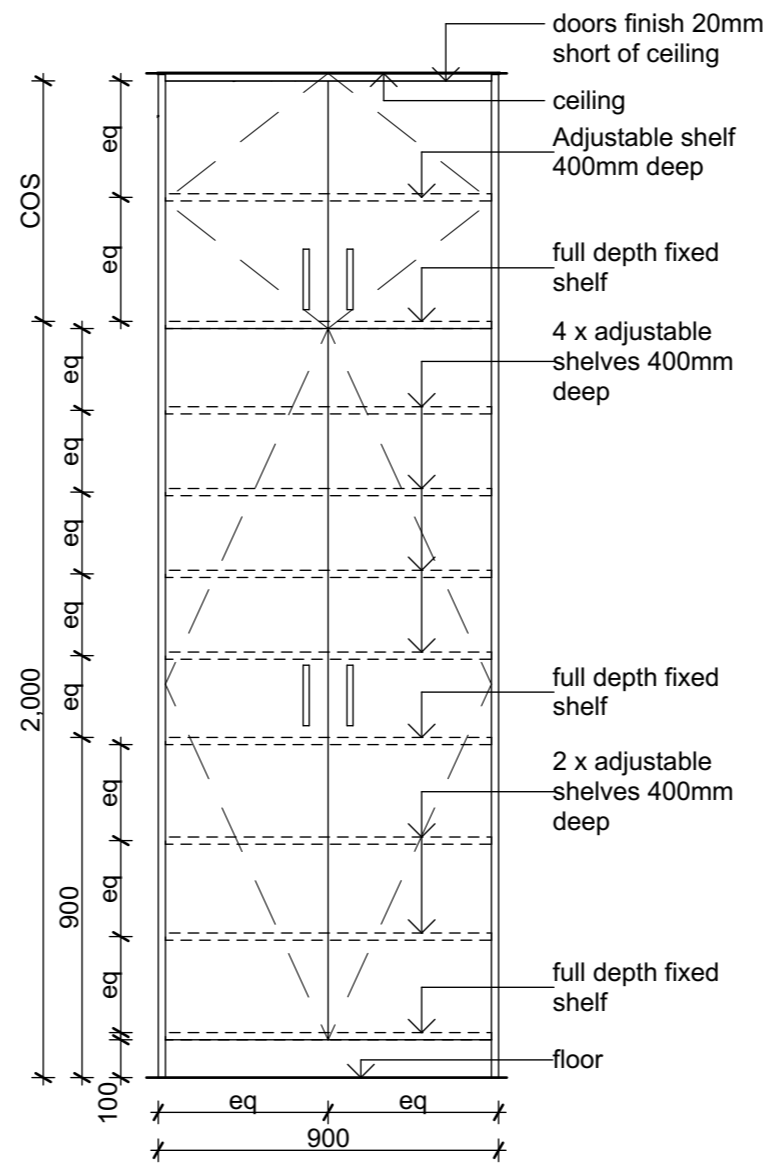
1 Bed - Plan

04 Scale 1:20



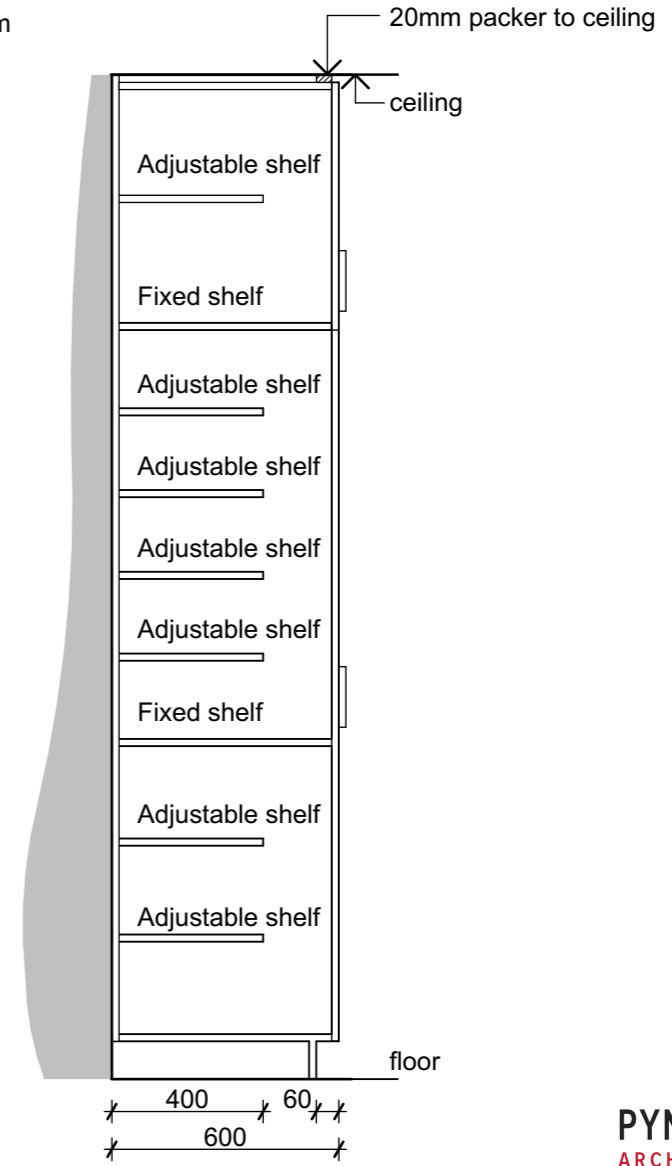
2 Bed - Section A

Scale 1:20



3 Food Cupboard - Elevation

Scale 1:20



4 Food Cupboard - Section A

Scale 1:20

Notes

1. Carcass, Shelves and doors of selected colour 16mm moisture resistant mdf Melteca, with all exposed edges to have 2 mm PVC edging
2. Backing to be 9mm Melteca White
3. Door hinges to be Hafele or equivalent.
4. Sliding door gear to be Hafele or equivalent running on top-mounted tracks with bottom tracks
5. PC Sum of \$600 for drawer and door handles

PYENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: Project No: 1772

Mintaro Hut
Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

Drawing Name:

Bed and Food Cupboard

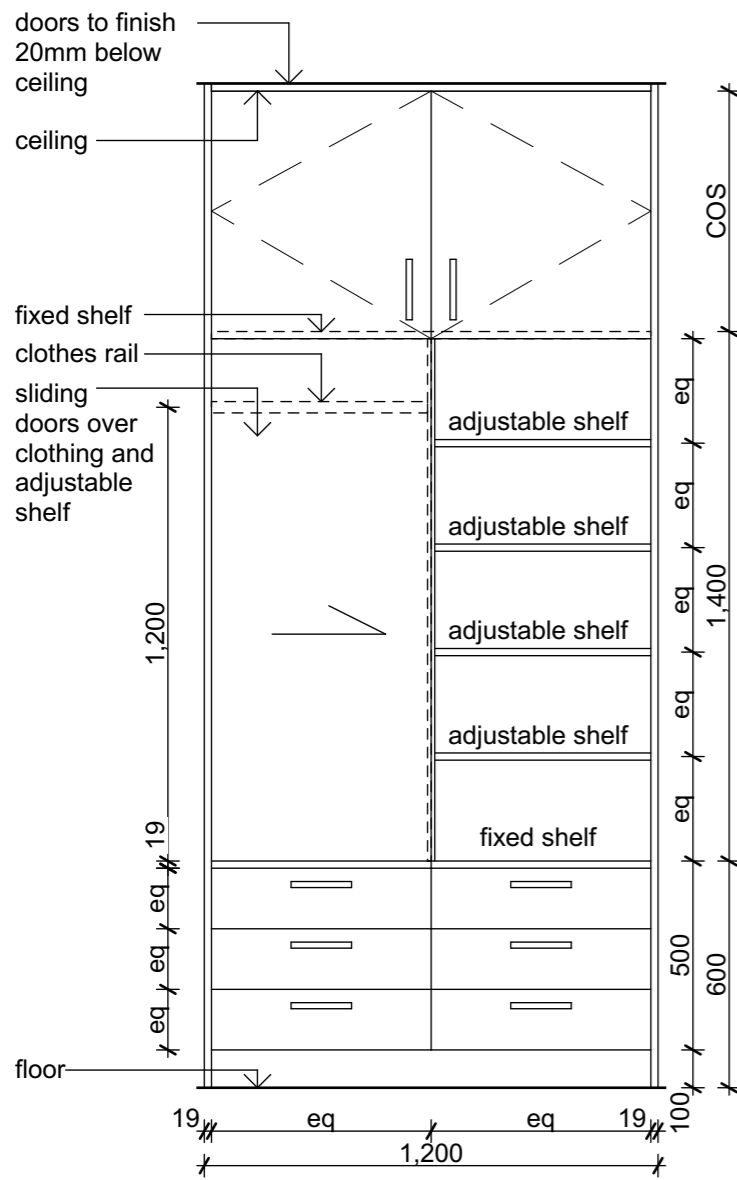
Revisions		
A	Detail Design	14/06/2019

Scale @ A3: 1:20

Drawing No: Revision:

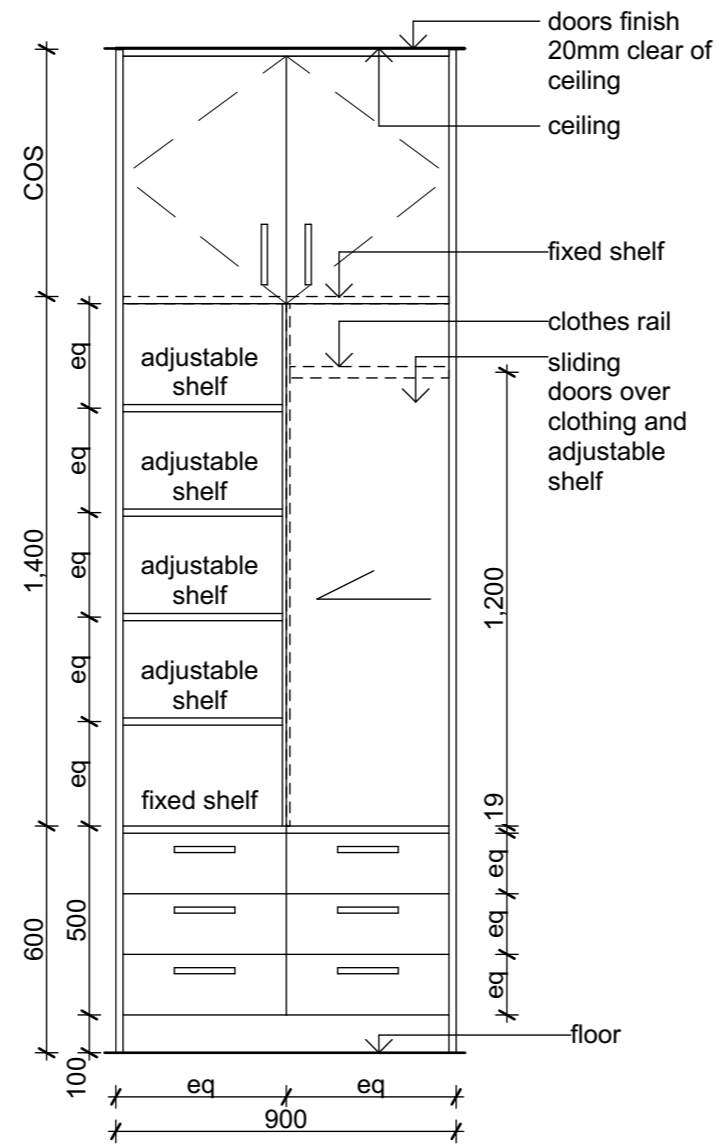
31

A



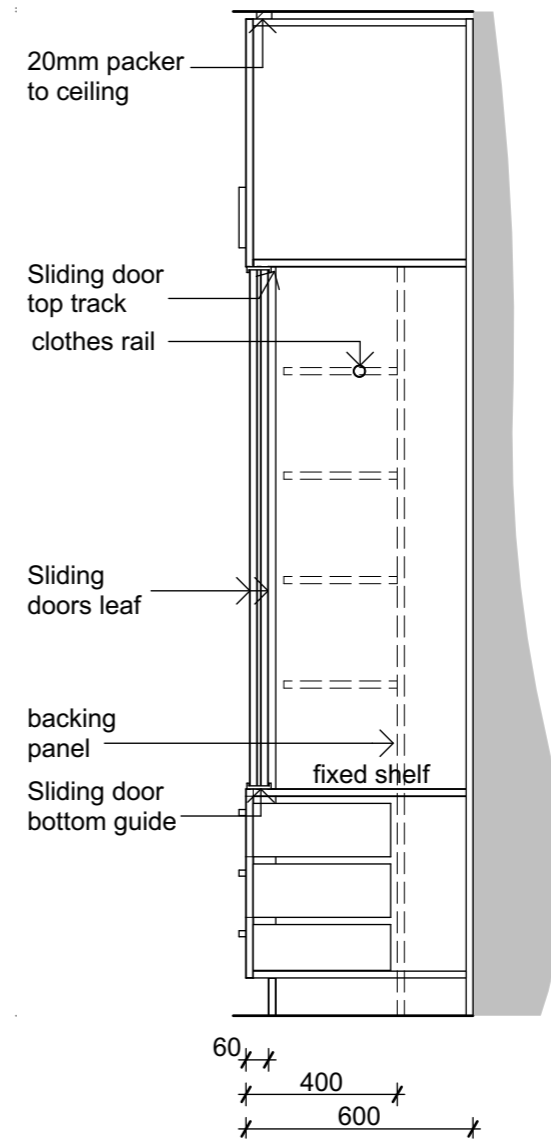
1 Bedroom Wardrobe - Elevation

Scale 1:20



2 Bunkroom Wardrobe - Elevation

Scale 1:20



3 Typical Wardrobe - Section A

Scale 1:20

Notes

1. Carcass, Shelves and doors of selected colour 16mm moisture resistant mdf Melteca, with all exposed edges to have 2 mm PVC edging
2. Backing to be 9mm Melteca White
3. Door hinges to be Hafele or equivalent.
4. Sliding door gear to be Hafele or equivalent running on top-mounted tracks with bottom tracks
5. PC Sum of \$600 for drawer and door handles



Client:
Department of Conservation

Project Name: Project No: 1772

Mintaro Hut
Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

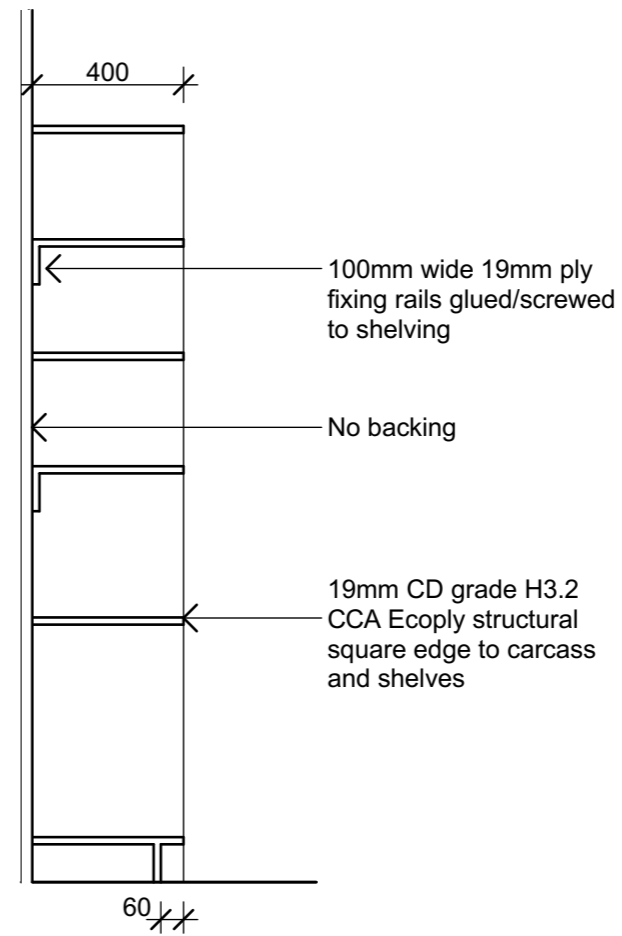
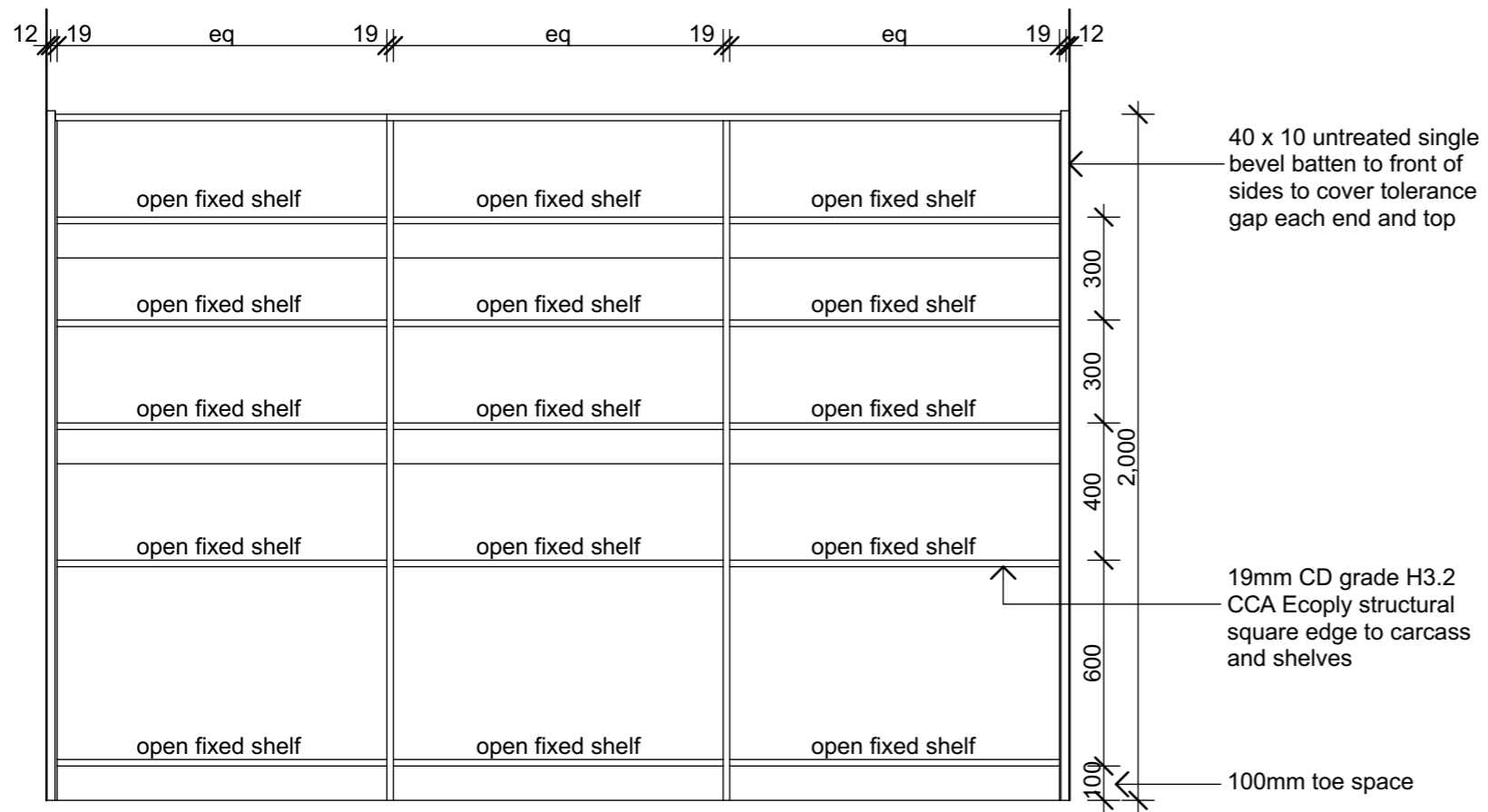
Drawing Name:

Wardrobes

Revisions		
A	Detail Design	14/06/2019

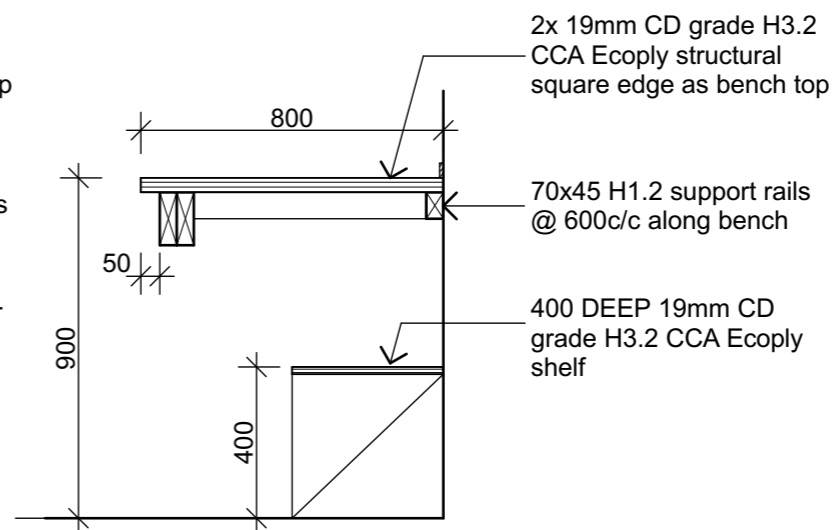
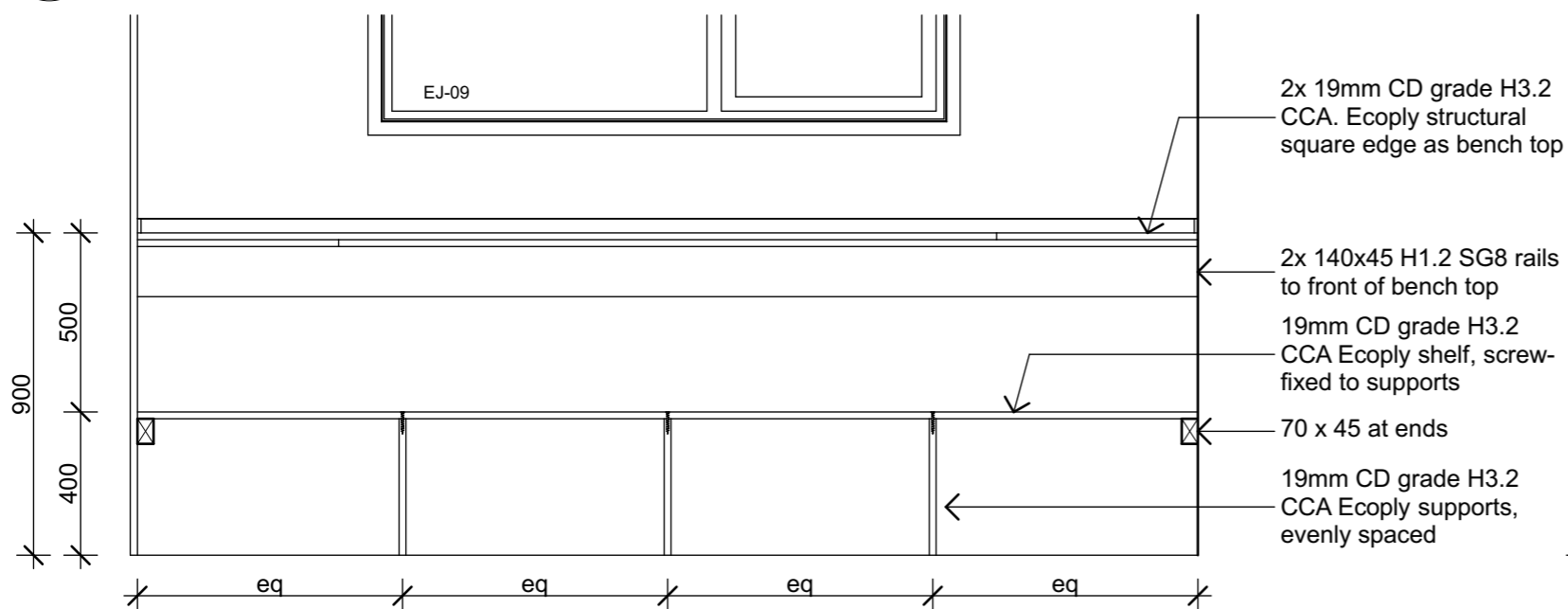
Scale @ A3: 1:20

Drawing No: **32** Revision: **A**



1 Shelves
04 Scale 1:20

B Shelf Section
04 Scale 1:20

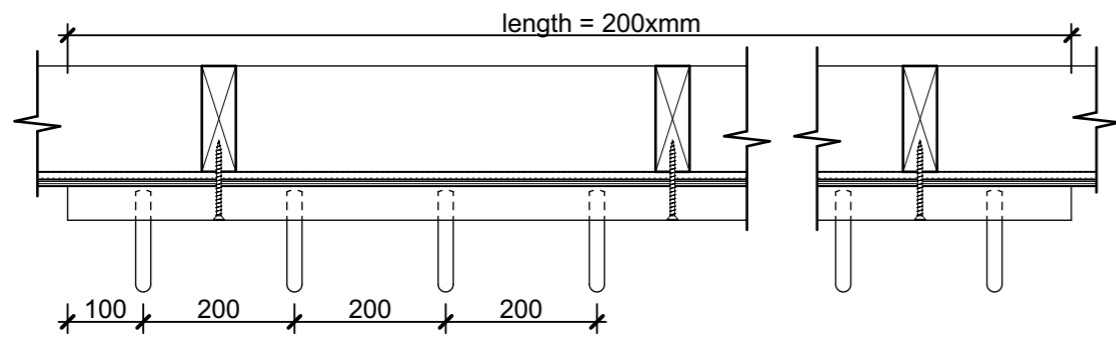


2 Bench
04 Scale 1:20

A Bench Section
04 Scale 1:20

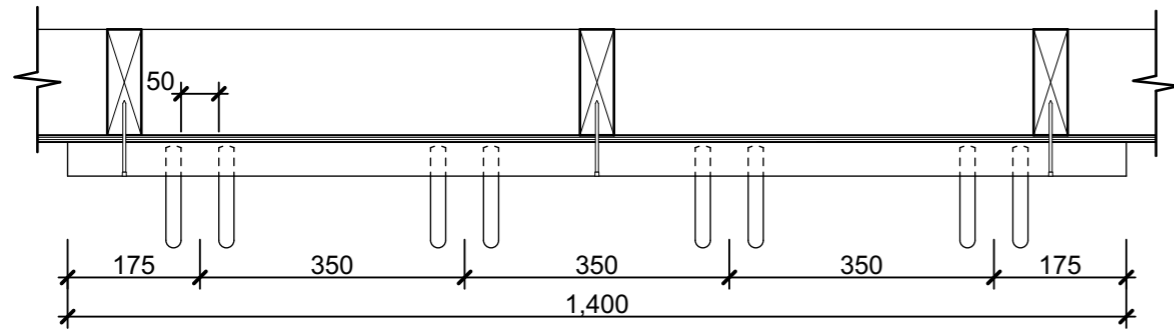
Revisions		
A	Detail Design	14/06/2019





1 Coat Hooks - Plan

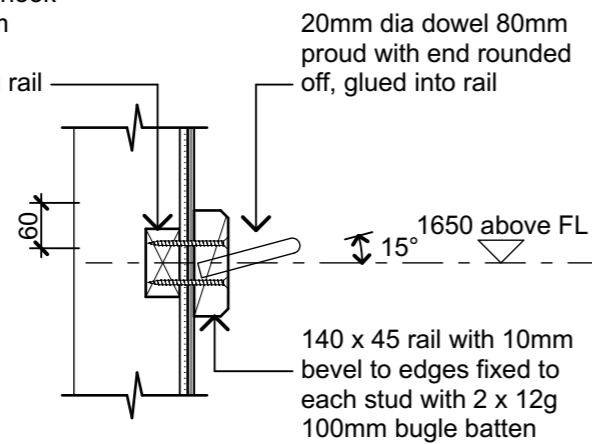
Scale 1:10



2 Tool Hooks

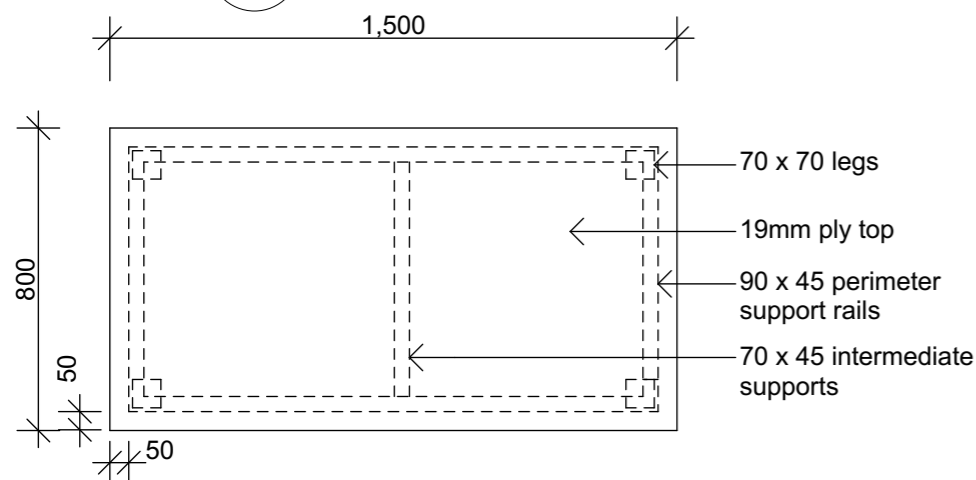
Scale 1:10

NOTE: where length of hook rail is less than 1000mm provide solid blocking between studs for fixing rail



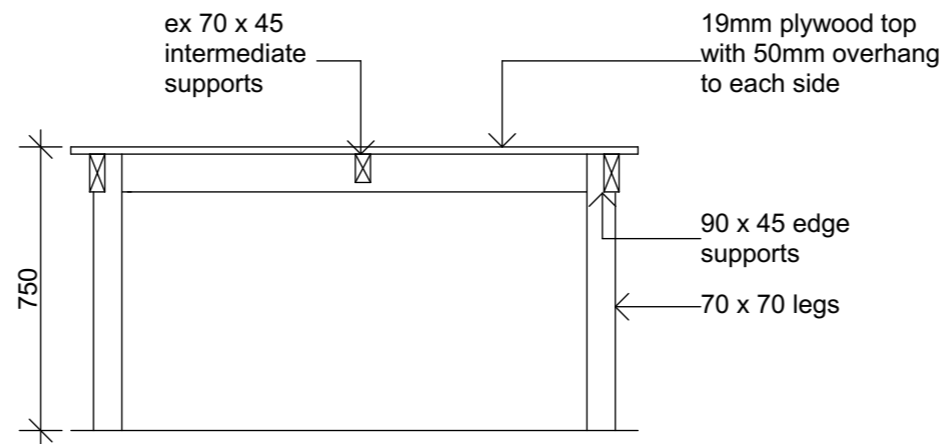
3 Coat/Tool Hooks -Section

Scale 1:10



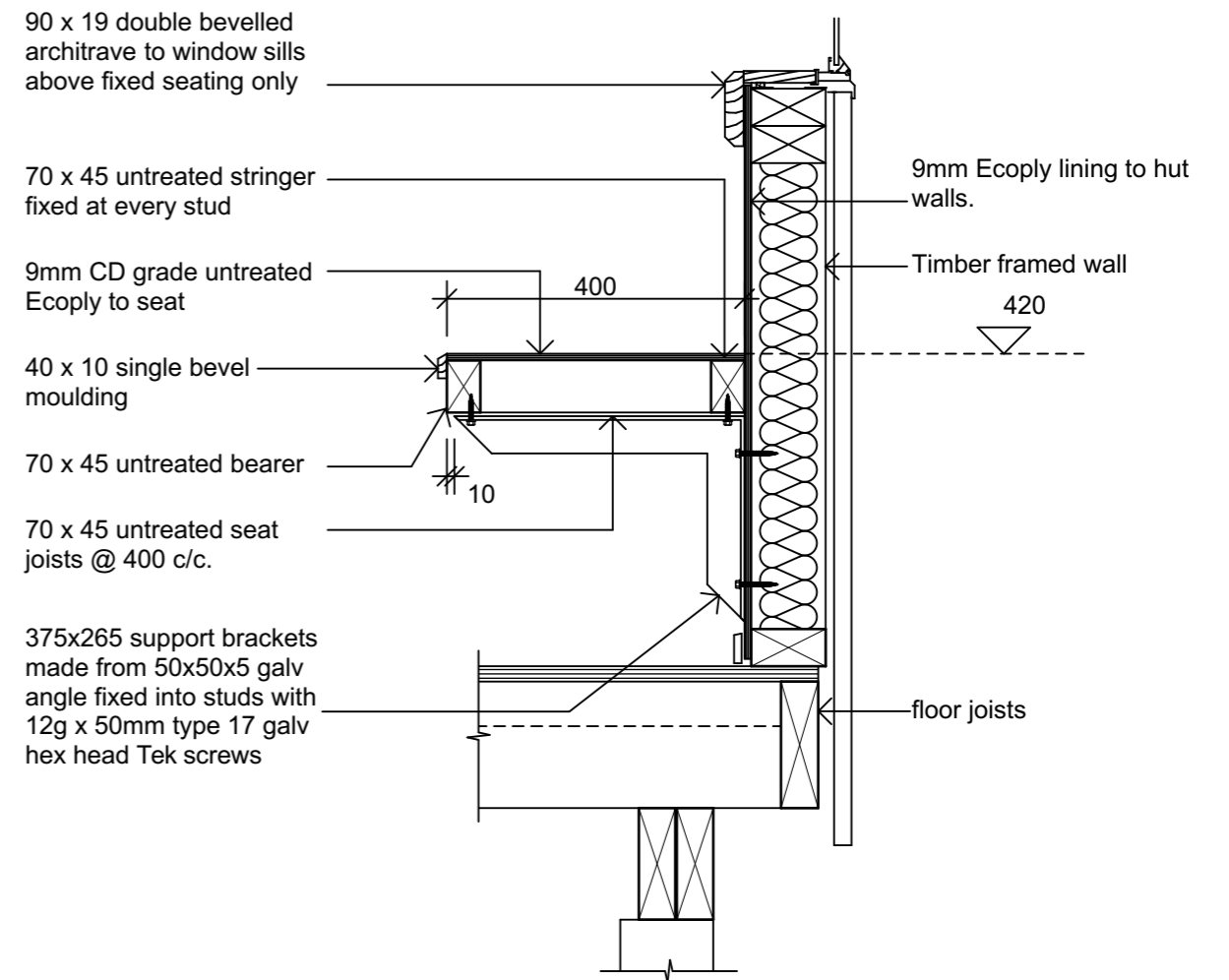
4 Table - Plan

Scale 1:20



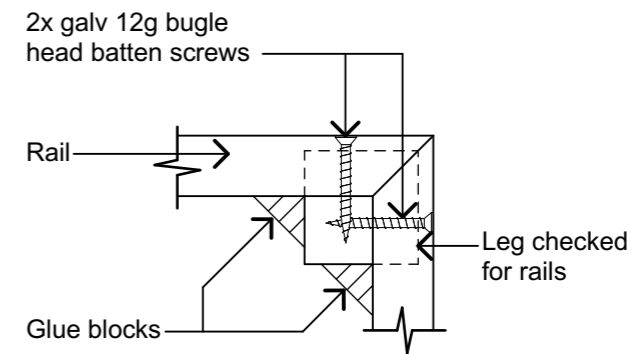
B Table - Section B

Scale 1:20



5 Interior Fixed Seating

Scale 1:10



7 Table Leg Fixing

Scale 1:5

Revisions		
A	Detail Design	14/06/2019

PYENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut** Project No: **1772**

Wardens Quarters
Milford Track Fiordland National Park

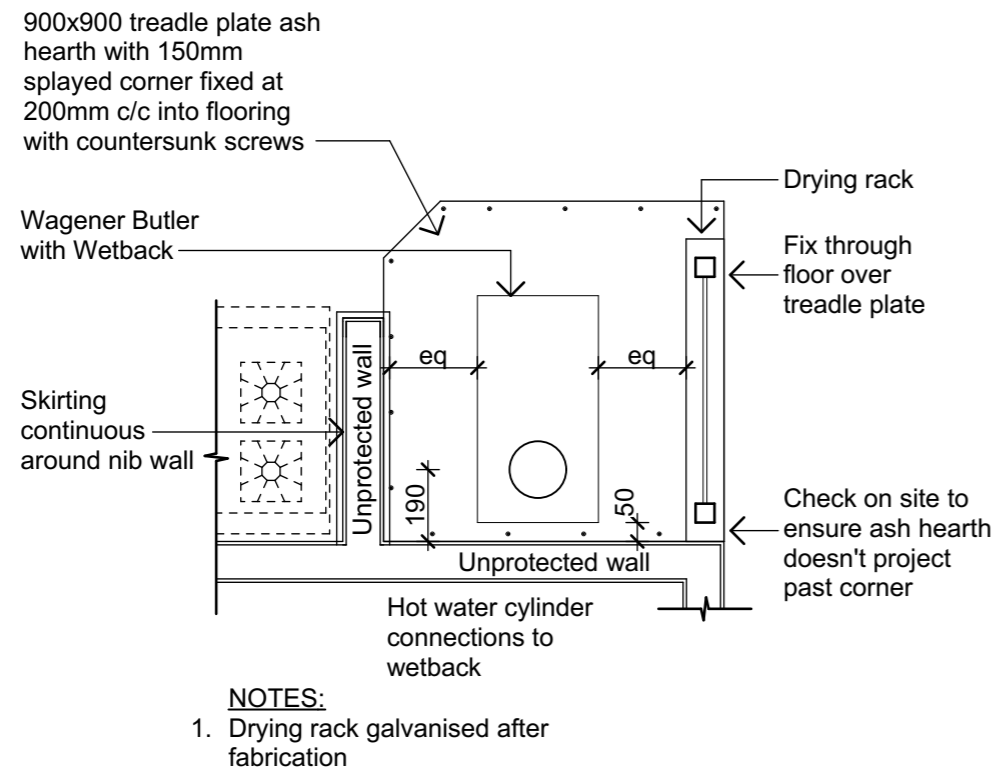
Detailed Design

Drawing Name:

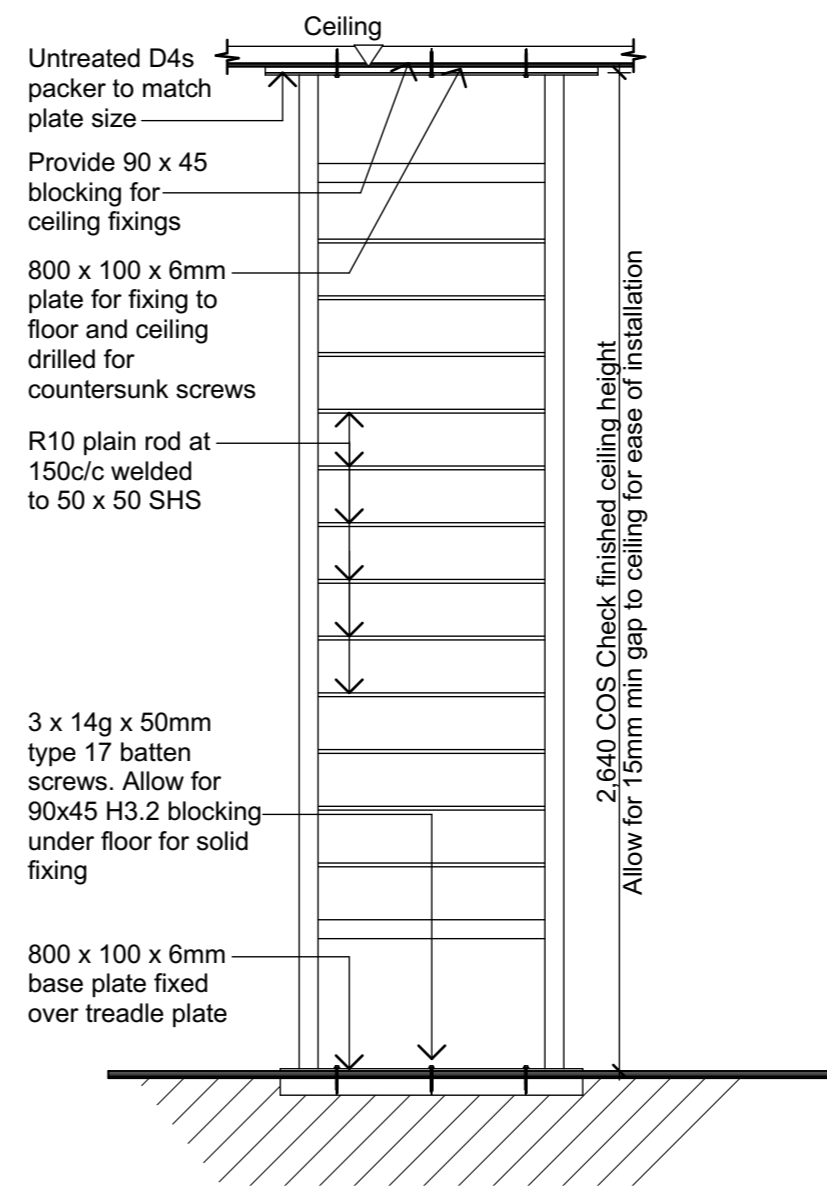
Fittings and Furniture Details

Scale @ A3: 1:10, 1:20, 1:5

Drawing No: **35** Revision: **A**



1 Wardens Quarters Wood Burner Details
04 Scale 1:20



2 Wardens Quarters Drying Rack
Scale 1:20



3 WQ FLue Protector

PYNENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client: Department of Conservation

Project Name: Project No: 1772

Mintaro Hut
Wardens Quarters
Milford Track Fiordland National Park

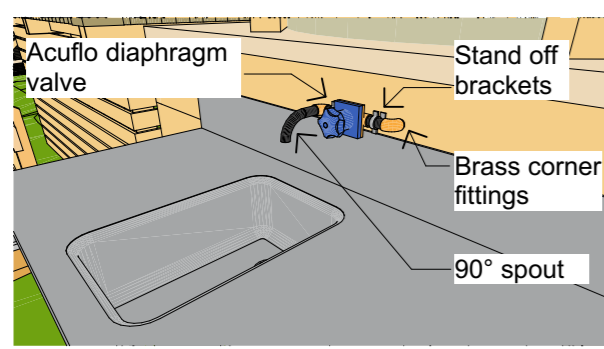
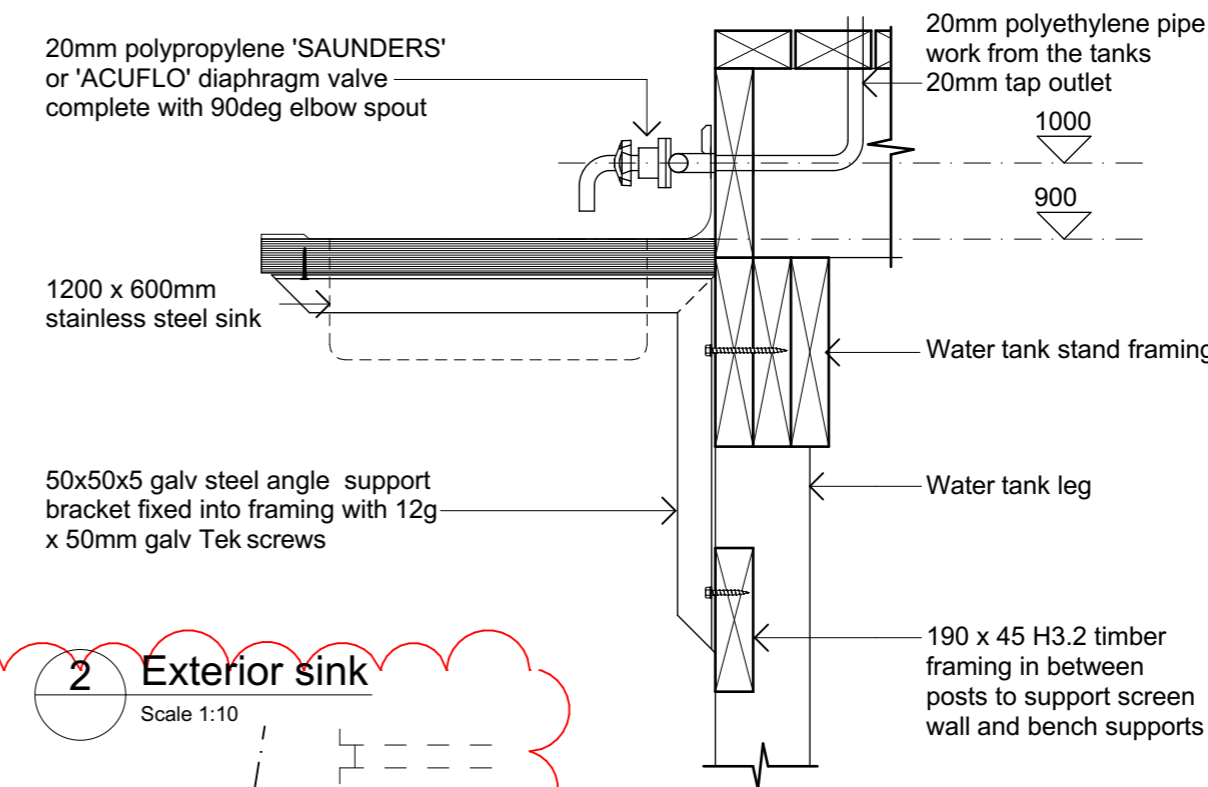
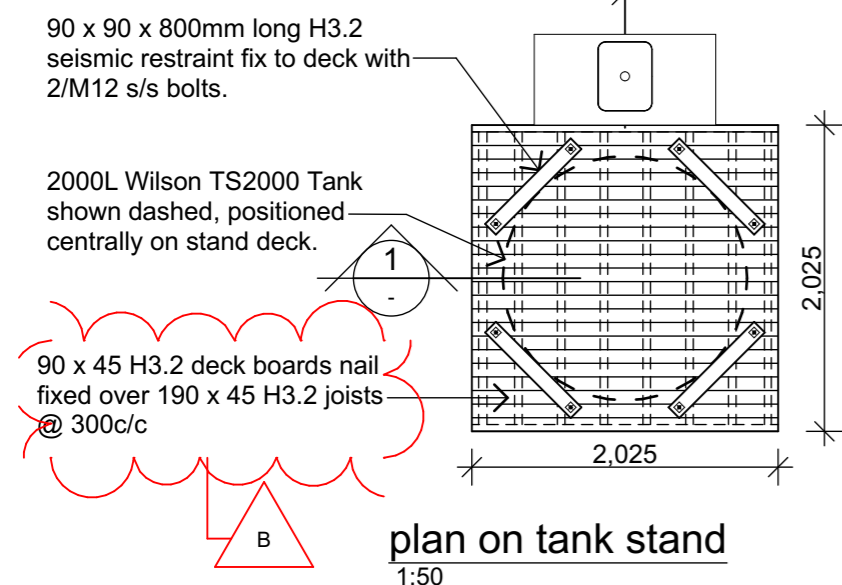
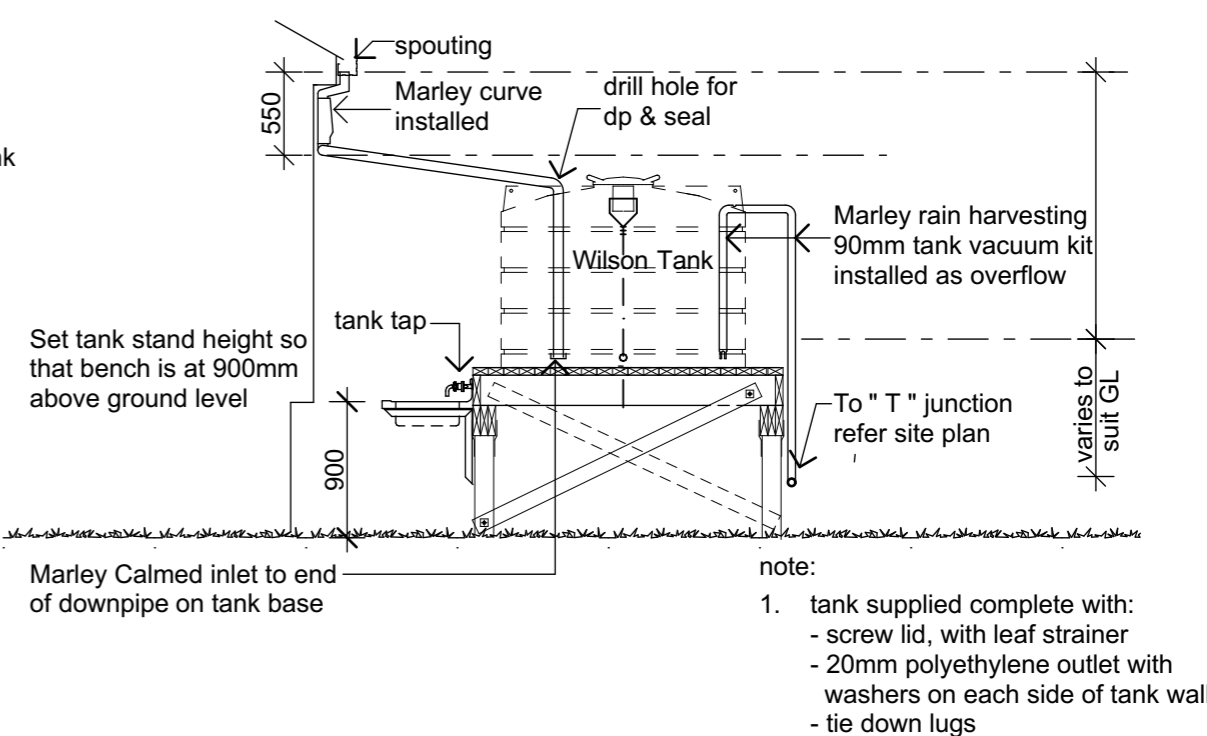
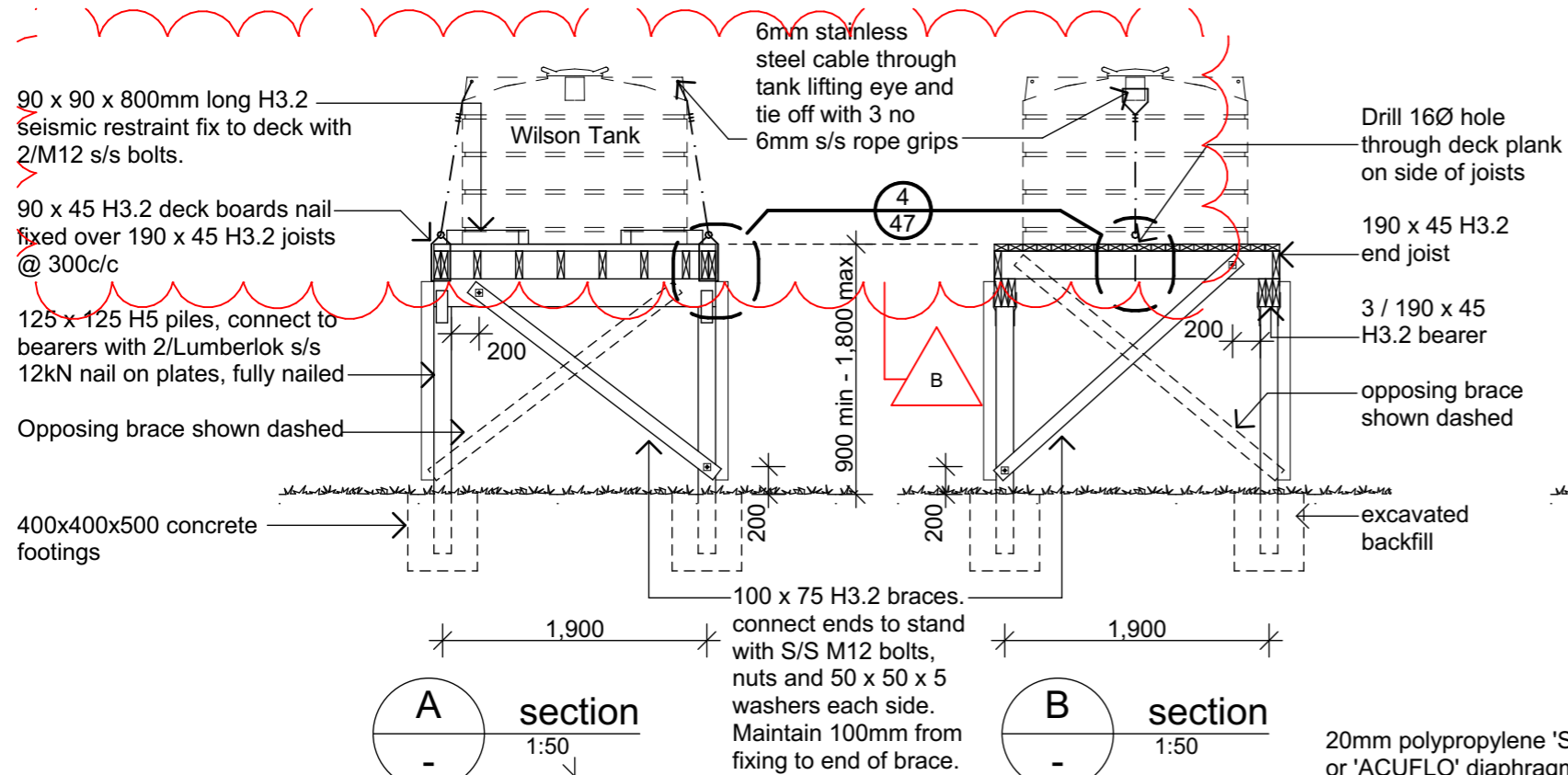
Detailed Design

Drawing Name: Woodburner and Drying Rack

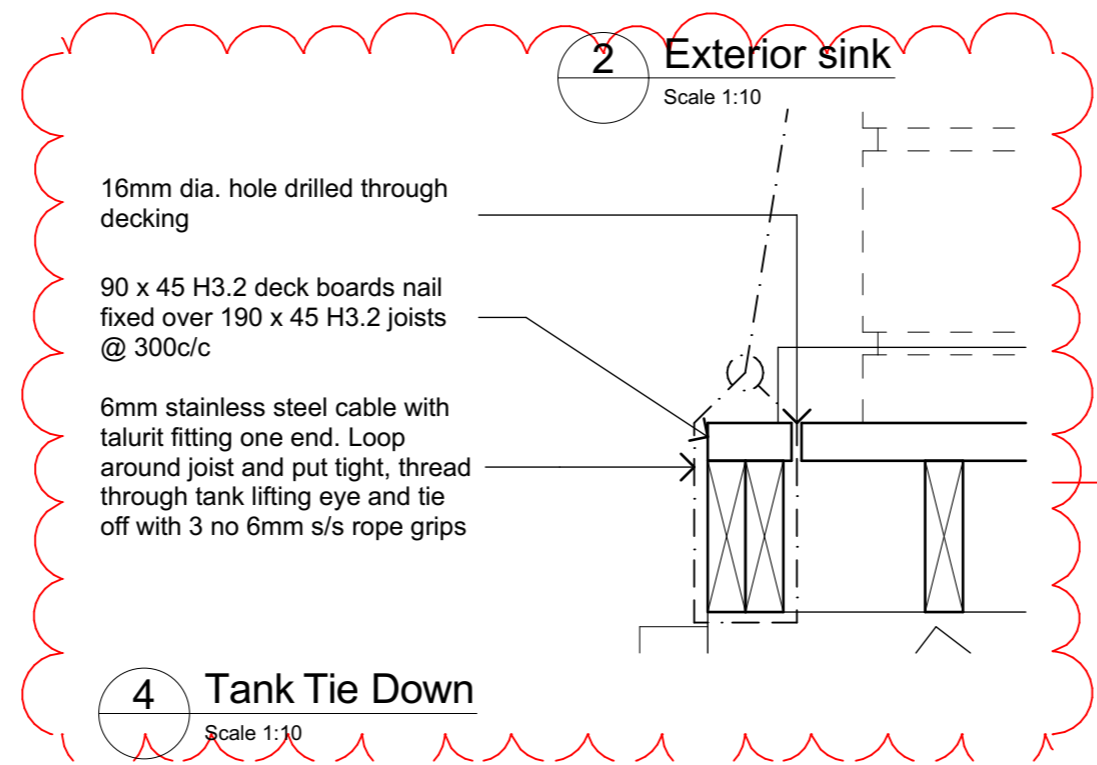
Revisions		
A	Detail Design	14/06/2019

Scale @ A3: 1:20, 1:1.7844

Drawing No: **36** Revision: **A**



3 Sink Tap Scale 1:200



4 Tank Tie Down Scale 1:10

PYENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: Project No: 1772

Mintaro Hut
Wardens Quarters
Milford Track Fiordland National Park

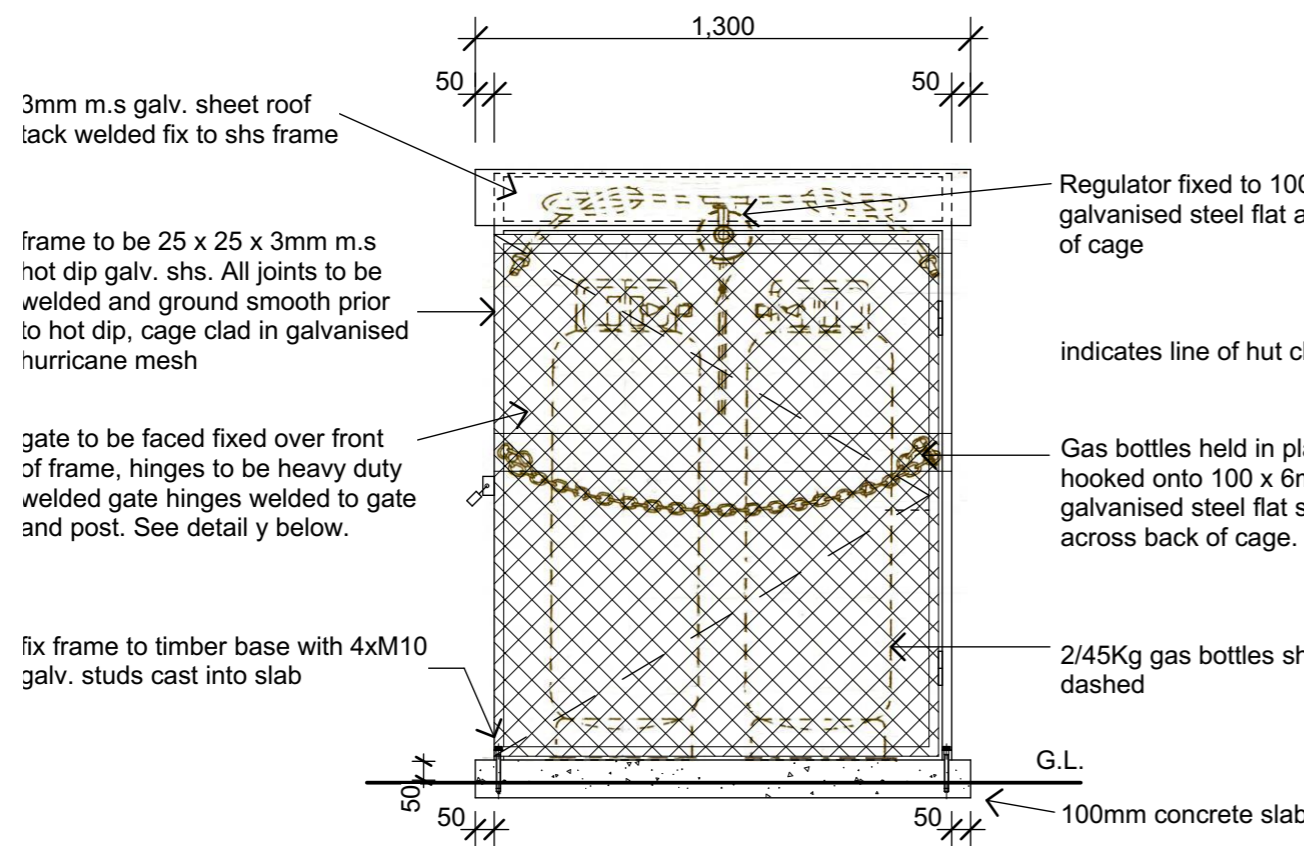
Detailed Design

Drawing Name:
Water Tank Details

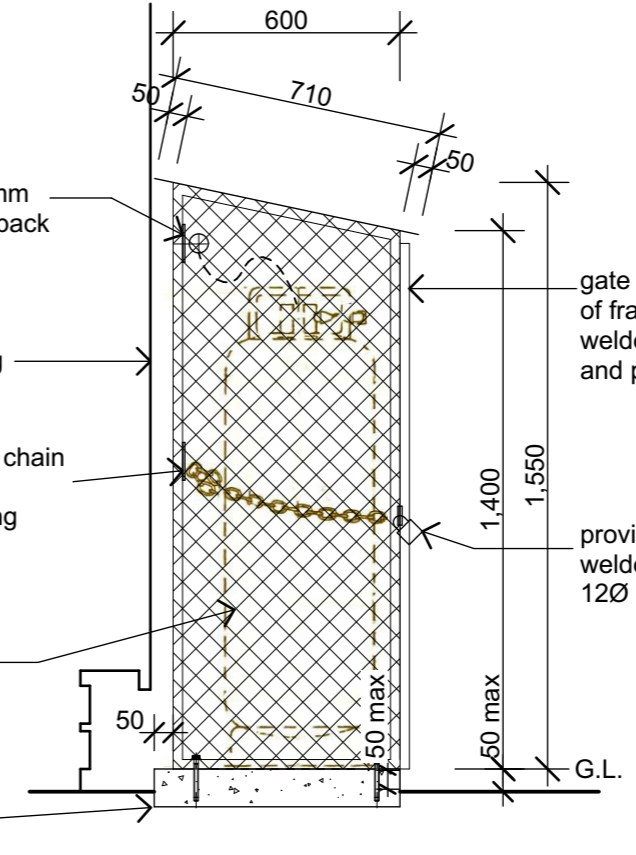
Revisions		
B	Structure & Details	5/09/2019
A	Detail Design	14/06/2019

Scale @ A3: 1:50, 1:10, 1:200

Drawing No: **37** Revision: **B**

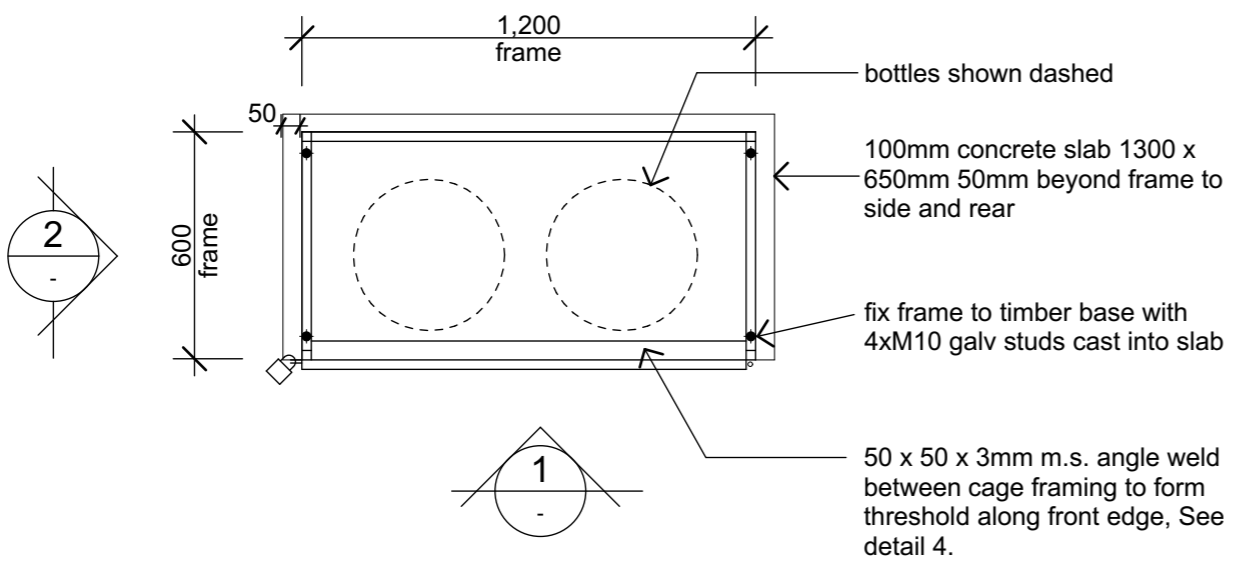


1 Gas Bottle Store - Front Elevation
Scale 1:20



2 Gas Bottle Store - Side Elevation
Scale 1:20

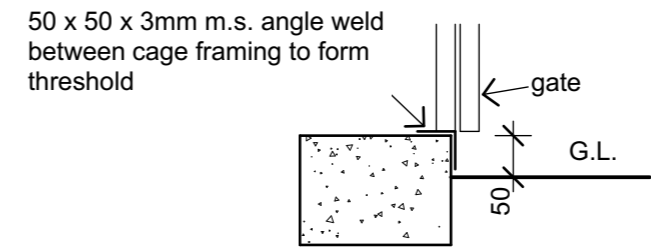
note:
all steel work to be hot dip galv. after fabrication



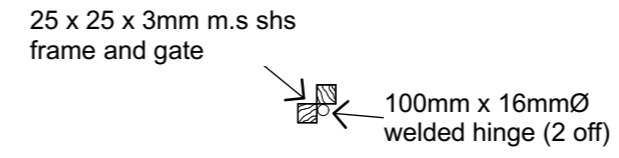
Plan of Gas Bottle Store
1:20

Confirm sizes of gas bottles and regulators with gas supplier before manufacture.

3 Gas Bottle Store - Plan
Scale 1:20



4 Threshold Detail
Scale 1:20



5 Hinge Detail
Scale 1:20

PYENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: **Mintaro Hut** Project No: **1772**

Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

Drawing Name:
Gas Bottle Storage

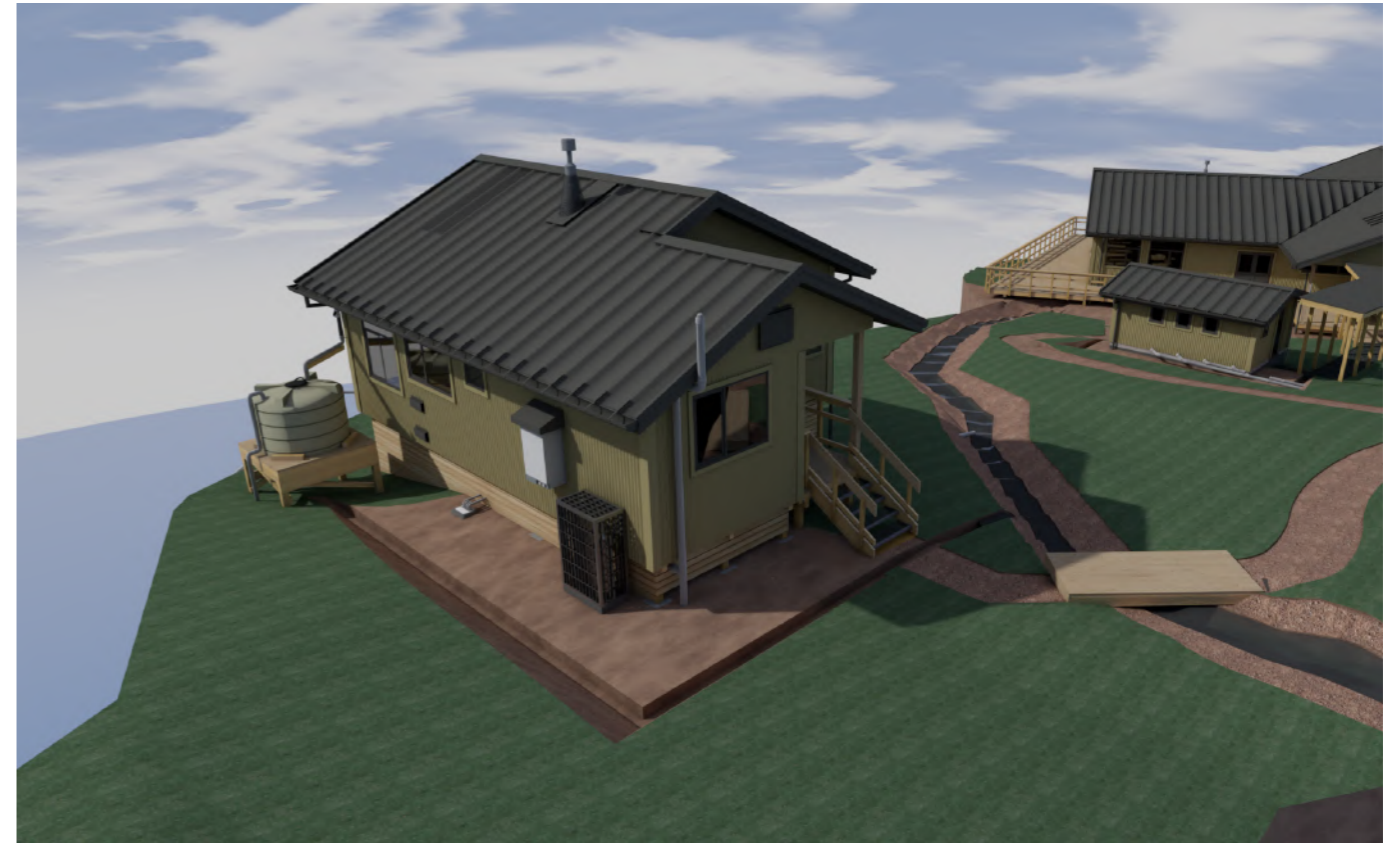
Revisions		
B	Structure & Details	5/09/2019
A	Detail Design	14/06/2019

Scale @ A3: **1:20**

Drawing No: **38** Revision: **B**



SQ External View 2



SQ External View 3



SQ External View 4

PYNENBURG & COLLINS
ARCHITECTS

WELLINGTON
76-86 Manners Street, Wellington 6011
PO Box 2115, Wellington 6140. +64 4 473 7577

CHRISTCHURCH
1/24 Gasson Street, Sydenham, Christchurch 8023
PO Box 12014, Beckenham, Christchurch 8242. +64 3 550 0575
www.pc-architects.co.nz



Client:
Department of Conservation

Project Name: Project No: 1772

Mintaro Hut
Wardens Quarters
Milford Track Fiordland National Park

Detailed Design

Drawing Name:

3D Views

Revisions		
C	Detail Design	14/06/2019
B	Developed Design	22/03/2019
A	Concept Design	2/11/2018

Scale @ A3:

Drawing No: Revision:

39 **C**