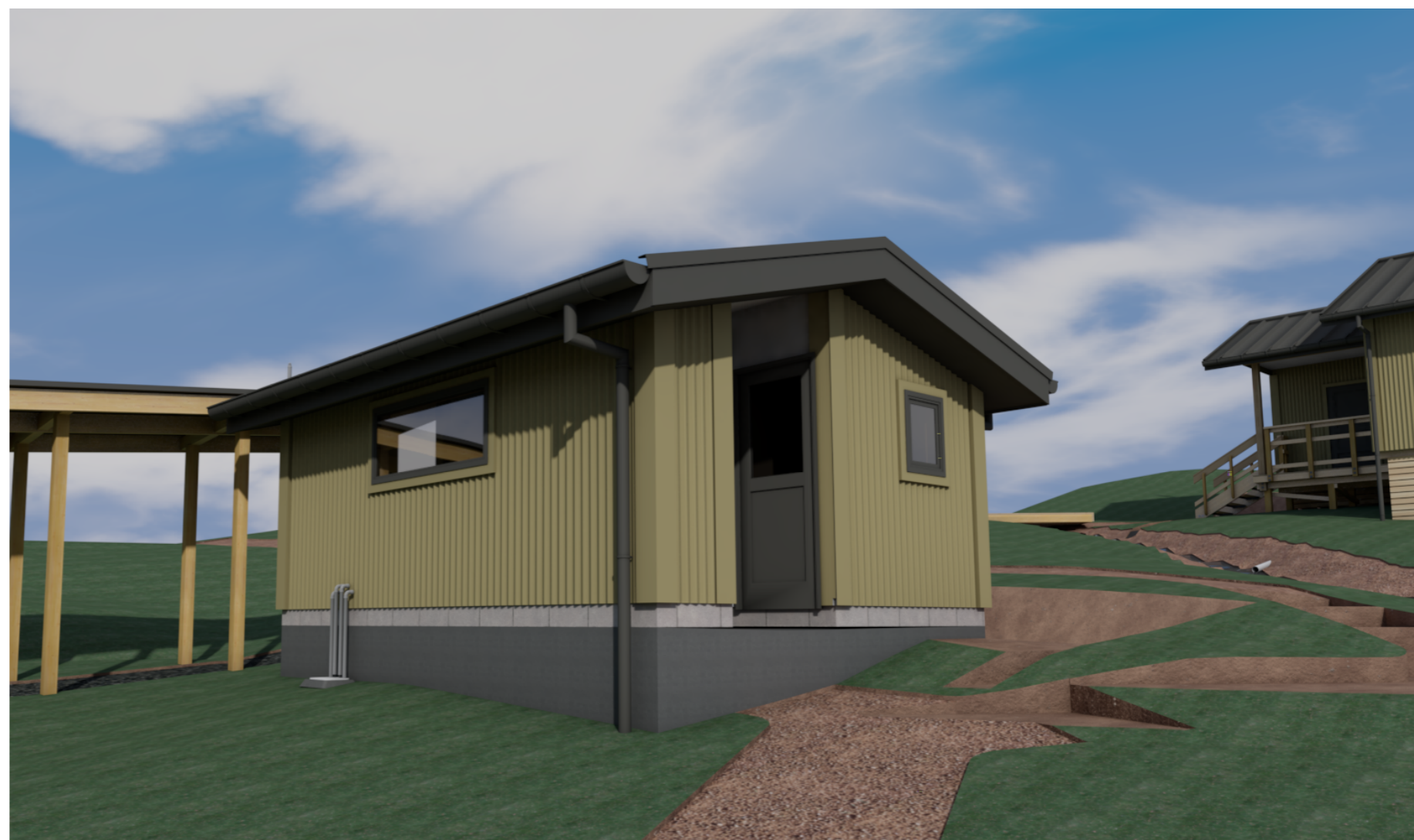


Mintaro Hut Ablutions Block & Sheltered Track

Detailed Design
September 2019

for Department of Conservation
Project N^o: 1772

Ablution Block Sheet Index		
Layout ID	Layout Name	Current Revision ID
	Cover Sheet	B
AB-01	Site Plan	B
AB-02	Site Plan Stormwater & Sewer	A
AB-03	Floor Plan	C
AB-04	Elevations, Drainage Plan, Sections	B
AB-05	Section	C
AB-06	Doors & Windows, Water Schematic, Store S...	A
AB-07	Window Details	A
AB-08	Construction Details	A
AB-09	Roof Details	B
AB-10	Covered Track - Roof Plan & Roof Framing Pl...	A
AB-11	Covered Track - Long Section	A
AB-12	Covered Track - Cross Sections	B
AB-13	Covered Track - Cross Section & Details	A
AB-14	Track Bridge - Plan & Sections	B
AB-15	Track Bridge - Details	B



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:	620m
Snow Load:	2.0 kPa

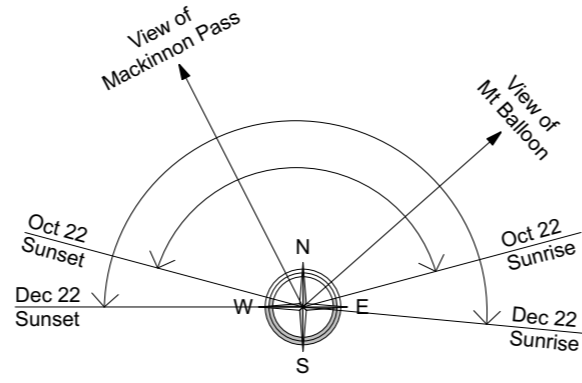
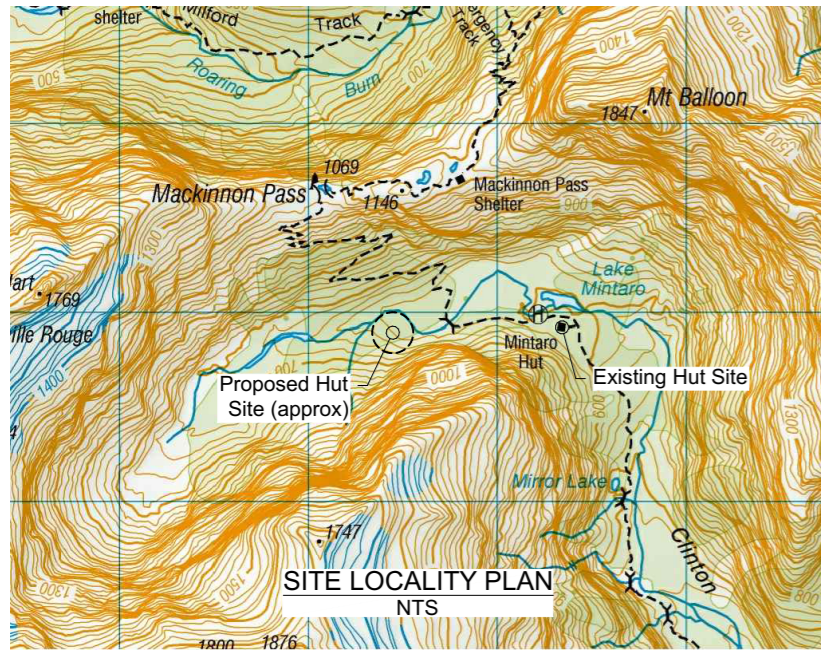


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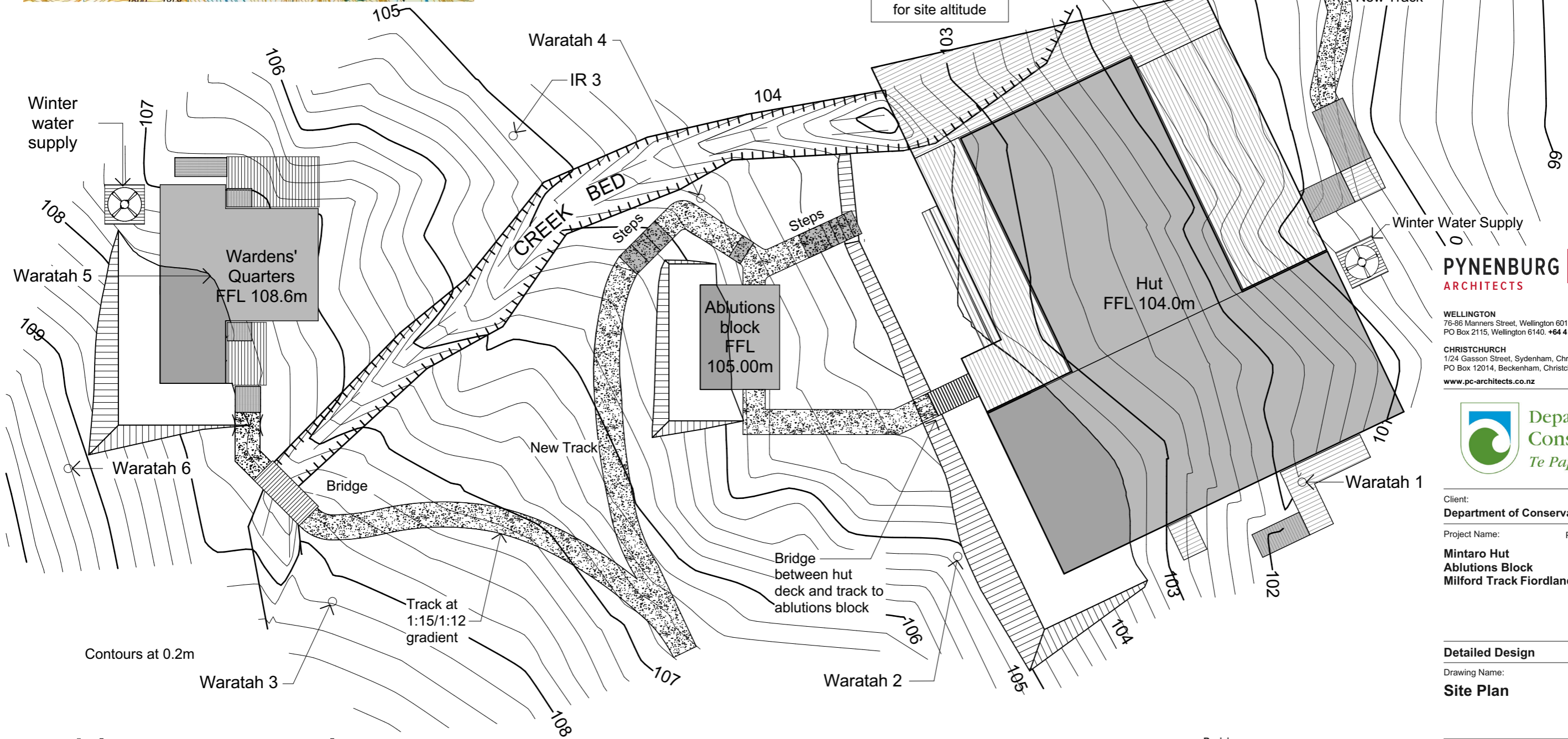
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Sunshine Hours
Season Start (Late Oct)
-Refer Compass Rose
Season End (Late April)
-About 1 Hour

All contour heights and FFLs are relative to a datum. Refer cover sheet for site altitude



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Client:
Department of Conservation

Project Name: Mintaro Hut Ablutions Block
Project No: 1772

Mintaro Hut
Ablutions Block
Milford Track Fiordland National Park

Detailed Design

Drawing Name:

Site Plan

Revisions

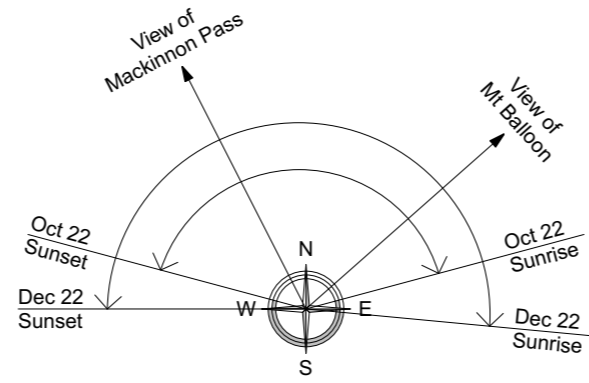
A	Developed Design	22/03/2019
B	Detail Design	14/06/2019

Scale @ A3: 1:200, 1:100

Drawing No: AB-01
Revision: B

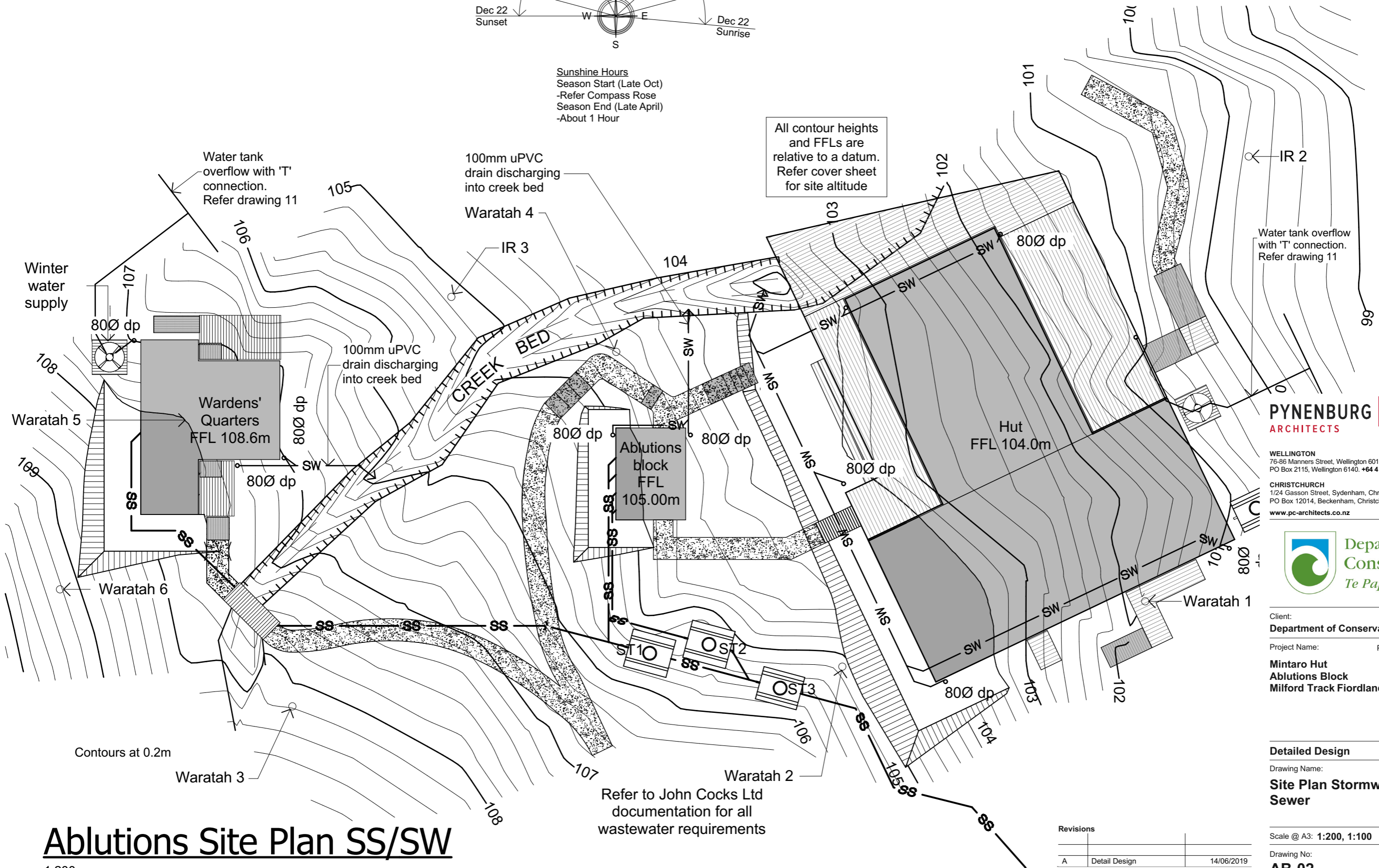
Ablutions Site Plan

1:200



Sunshine Hours
 Season Start (Late Oct)
 -Refer Compass Rose
 Season End (Late April)
 -About 1 Hour

All contour heights and FFLs are relative to a datum. Refer cover sheet for site altitude



IR 2
 Water tank overflow with 'T' connection. Refer drawing 11

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

Detailed Design
 Drawing Name: Site Plan Stormwater & Sewer

Revisions		
A	Detail Design	14/06/2019

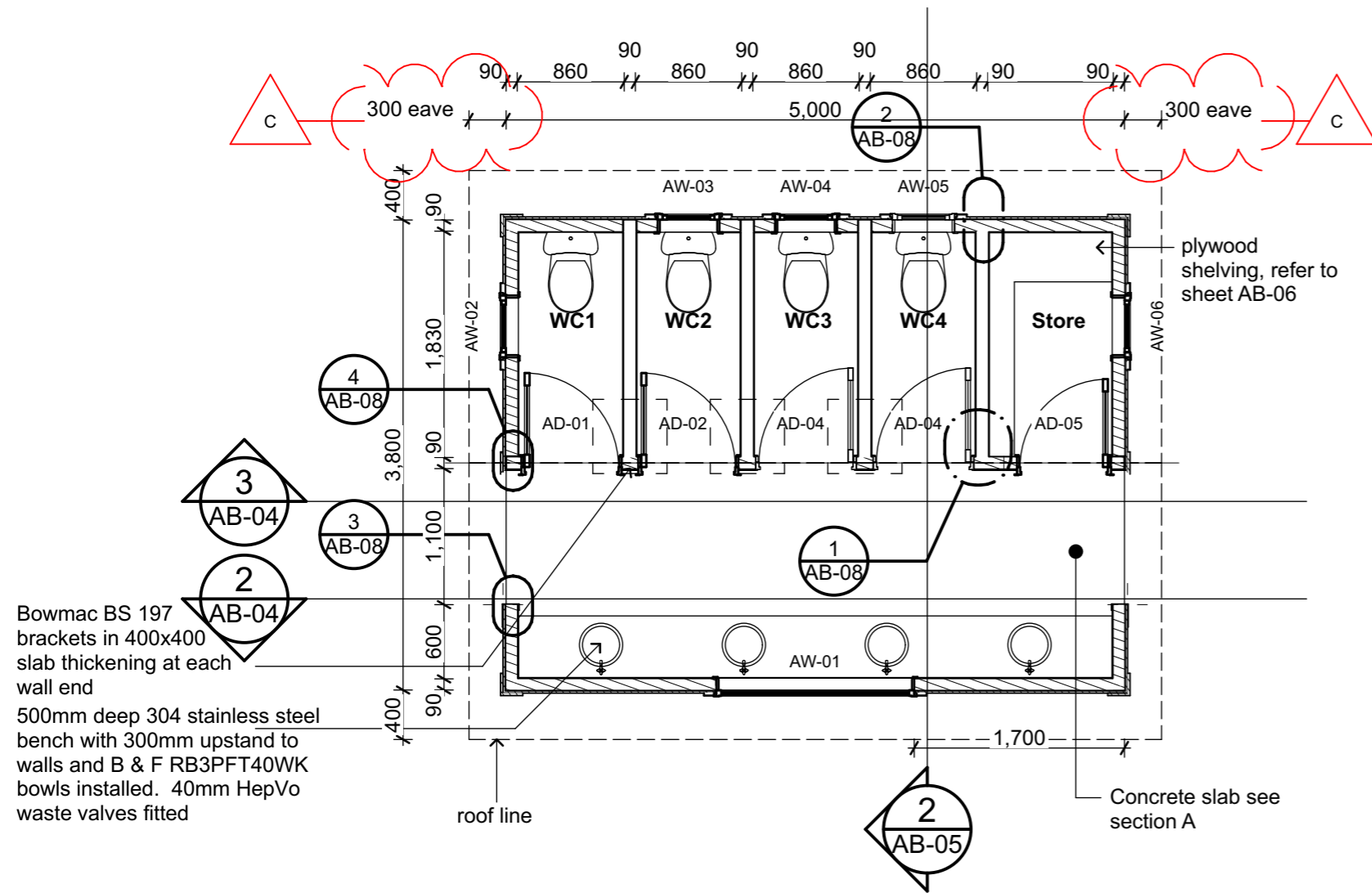
Scale @ A3: 1:200, 1:100
 Drawing No: AB-02
 Revision: A

Ablutions Site Plan SS/SW

1:200

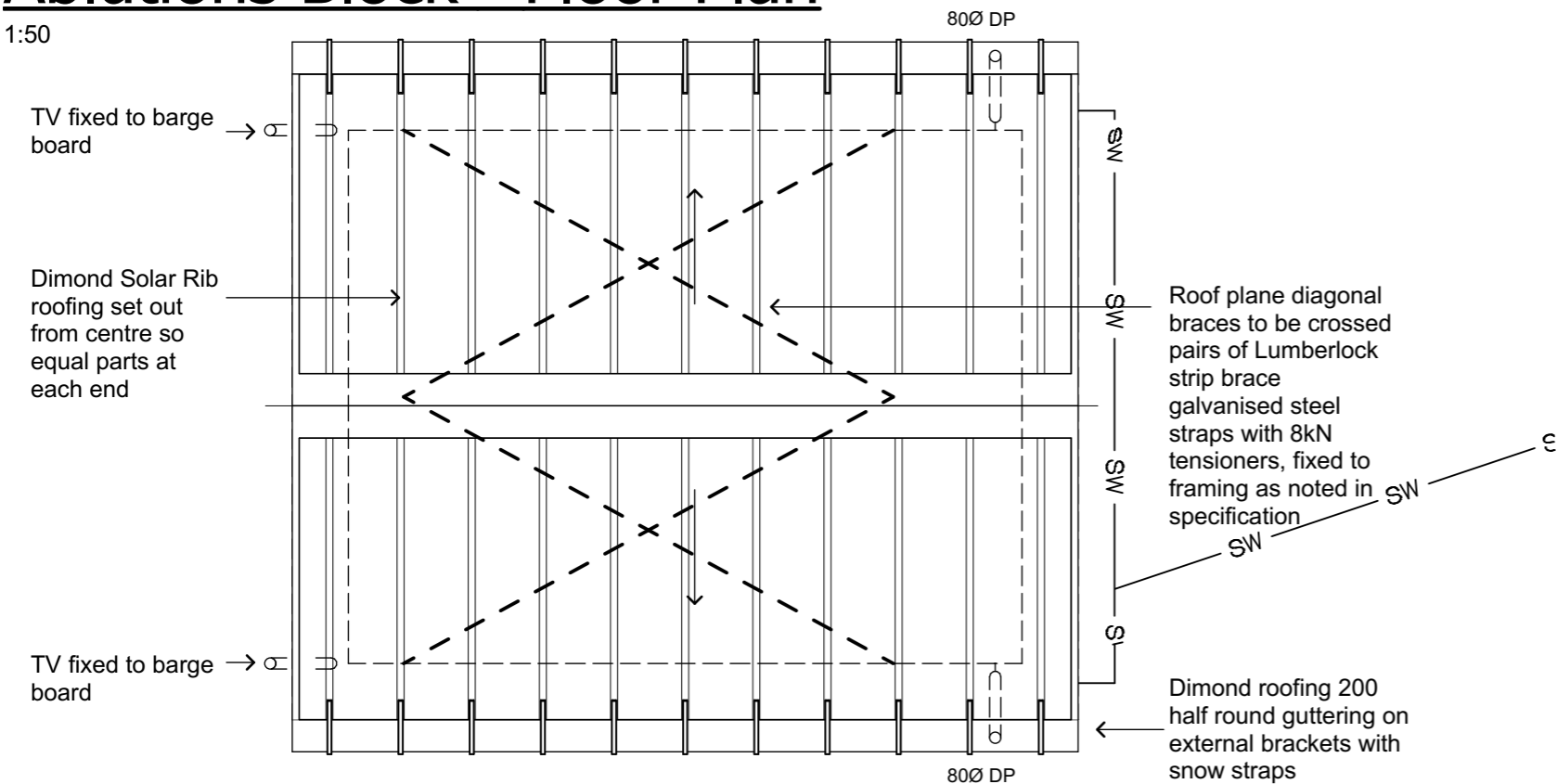
Refer to John Cocks Ltd documentation for all wastewater requirements

Contours at 0.2m



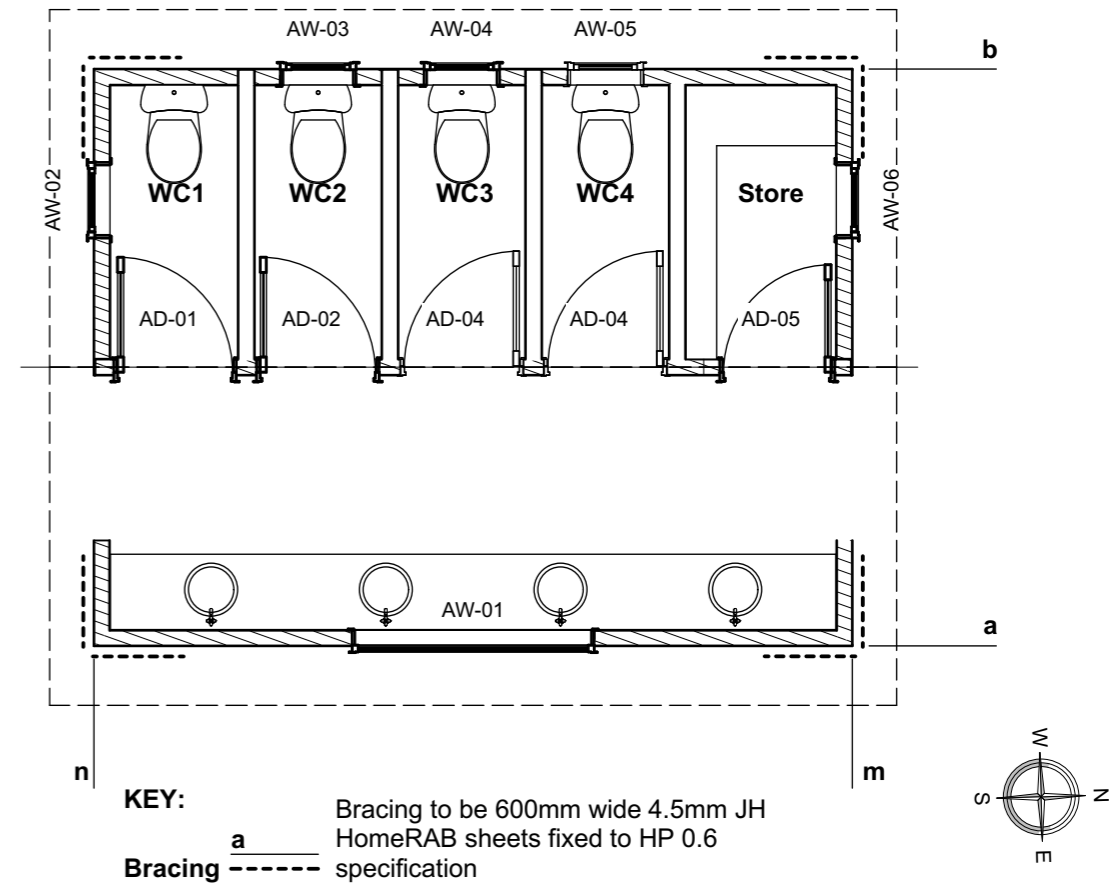
Ablutions Block - Floor Plan

1:50



Roof Plan

1:50



Bracing Plan

1:50

WALL LEGEND

- Indicates 90 x 45 H3.2 framing, studs @ 400mm c/c, bottom plate seated on 90 wide x 190 high concrete masonry upstand
- Indicates 90 x 45 H3.2 framing, studs @ 600mm c/c, bottom plate supported on Bowmac bracket and perimeter wall as per detail

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Client:
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Project Name: Project No: 1772

Mintaro Hut
Ablutions Block
Milford Track Fiordland National Park

Detailed Design

Drawing Name:

Floor Plan

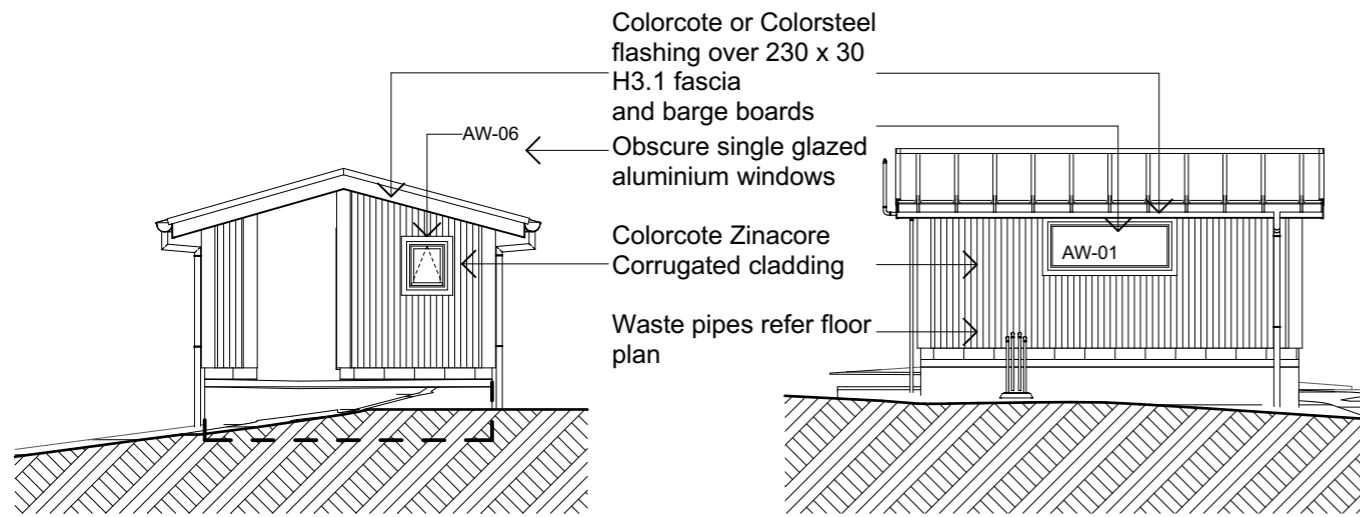
Revisions		
A	Developed Design	22/03/2019
B	Detail Design	14/06/2019
C	Structure & Details	4/09/2019

Scale @ A3: 1:50, 1:100

Drawing No: Revision:

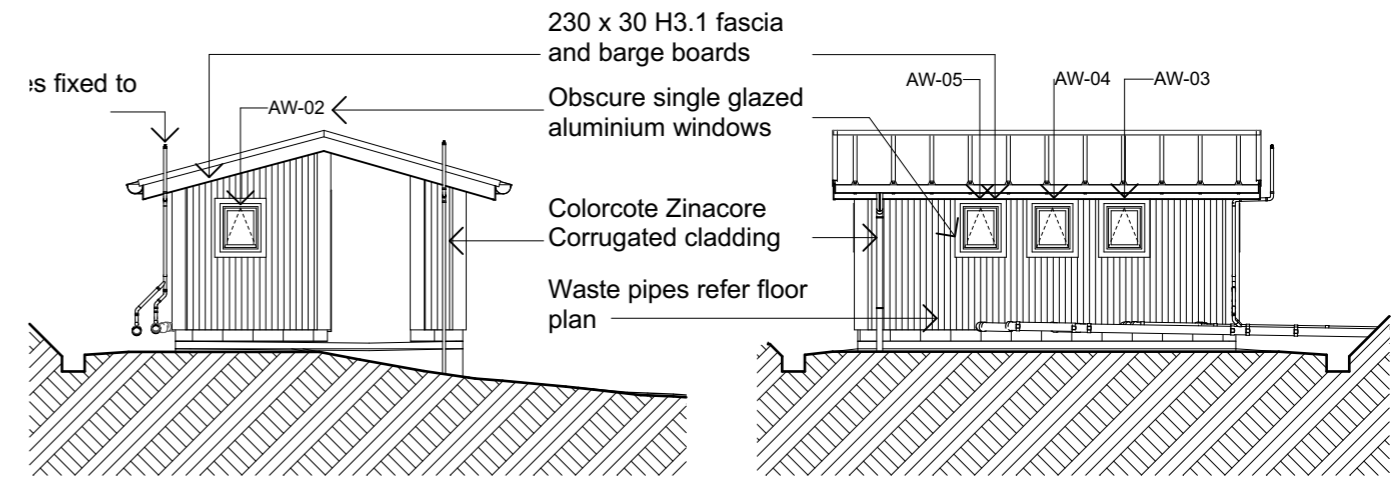
AB-03

C



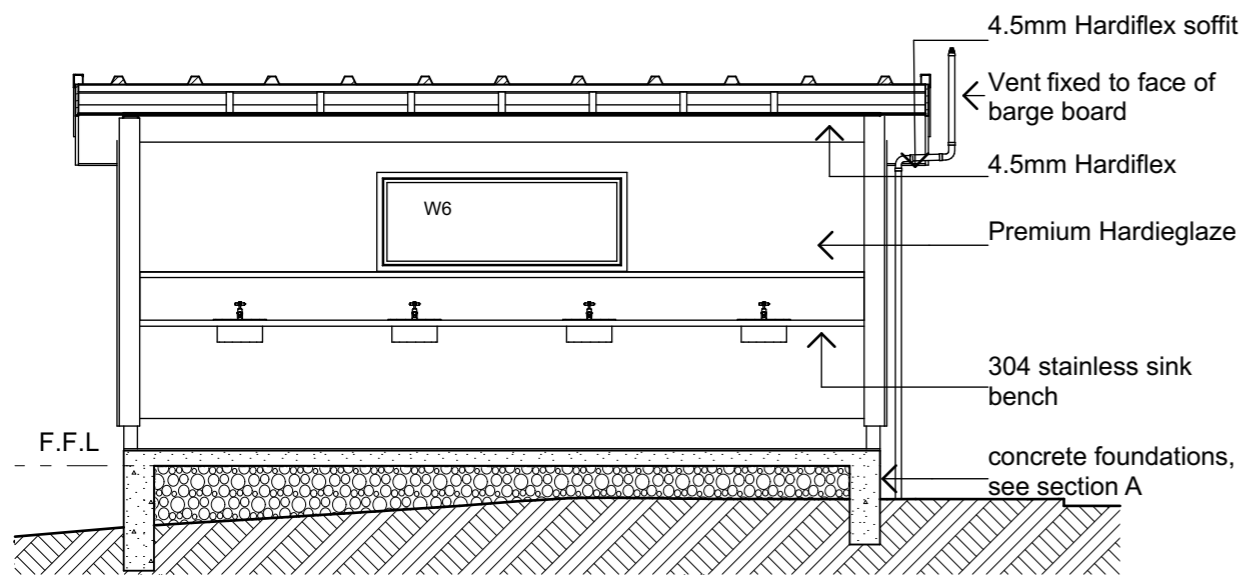
T1 North Elevation
Scale 1:100

T2 East Elevation
Scale 1:100

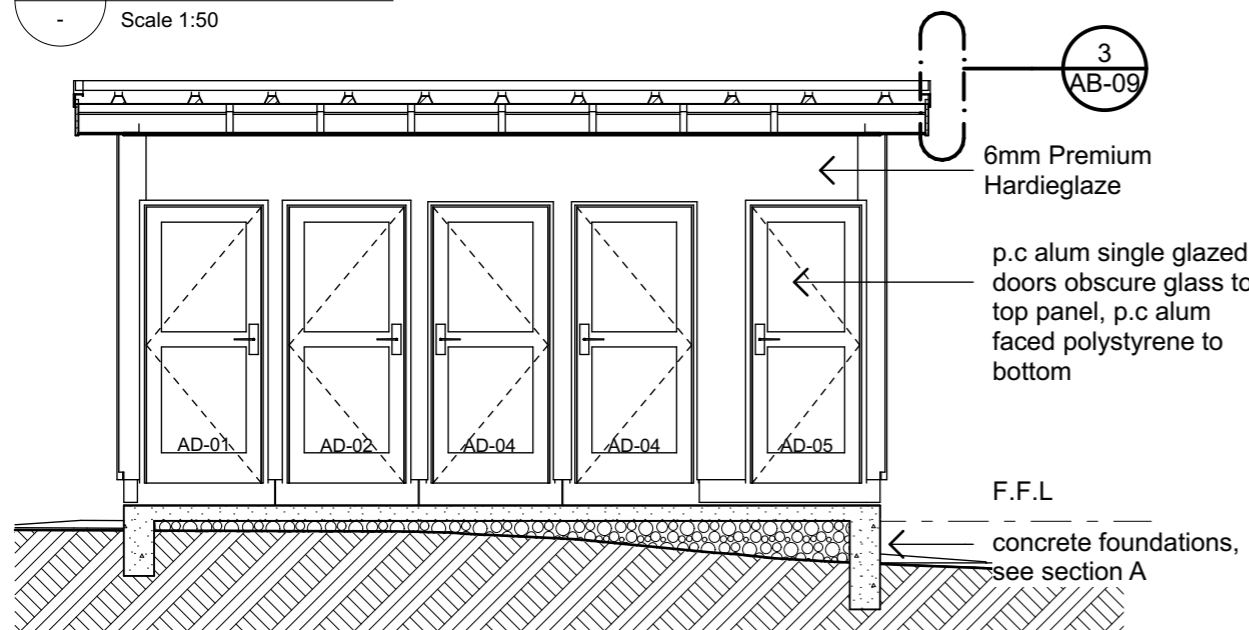


T3 South Elevation
Scale 1:100

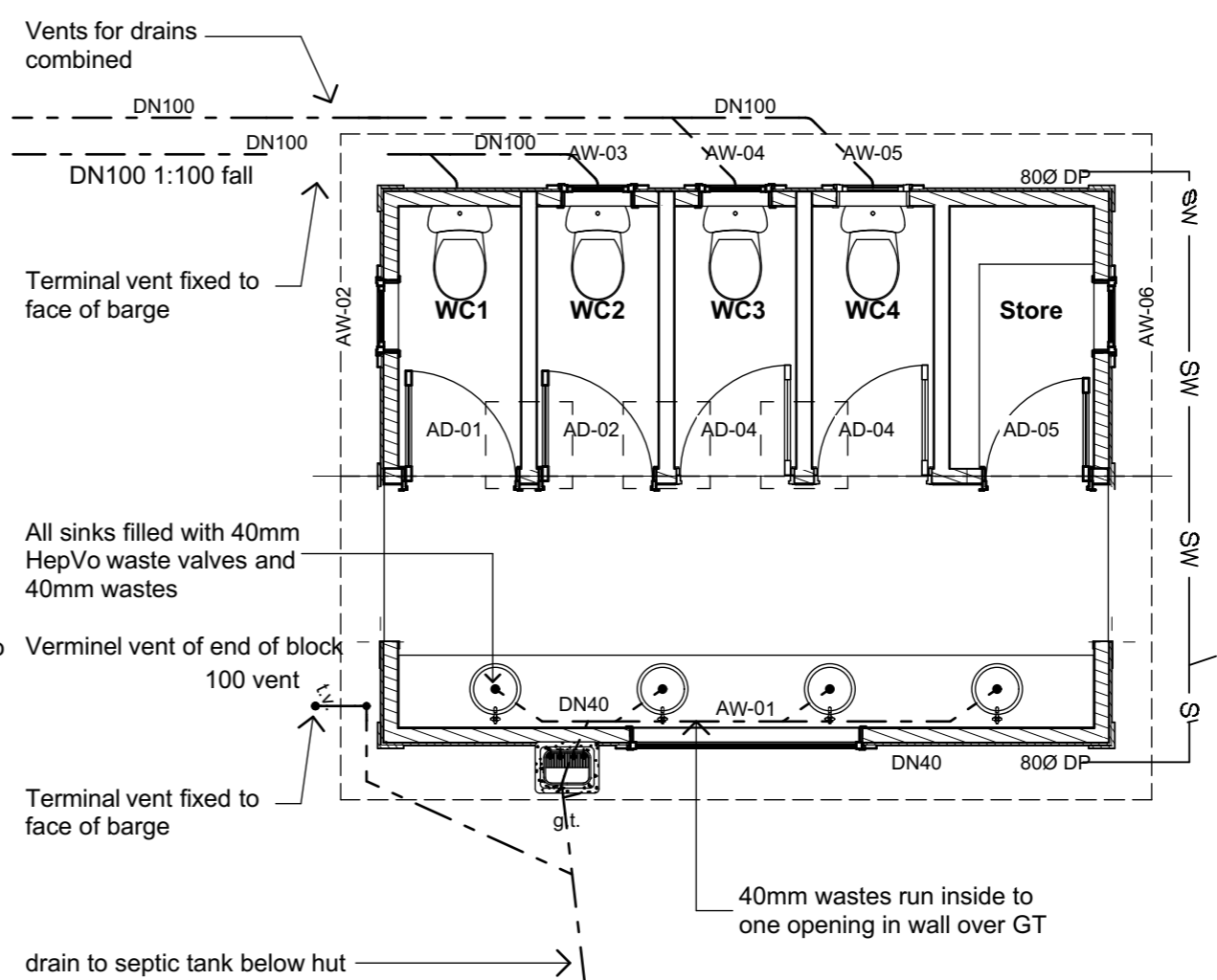
T4 West Elevation
Scale 1:100



2 Section B
Scale 1:50



3 Section C
Scale 1:50



Plumbing & Drainage Plan

1:50

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

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

Milford Track Fiordland National Park

Detailed Design

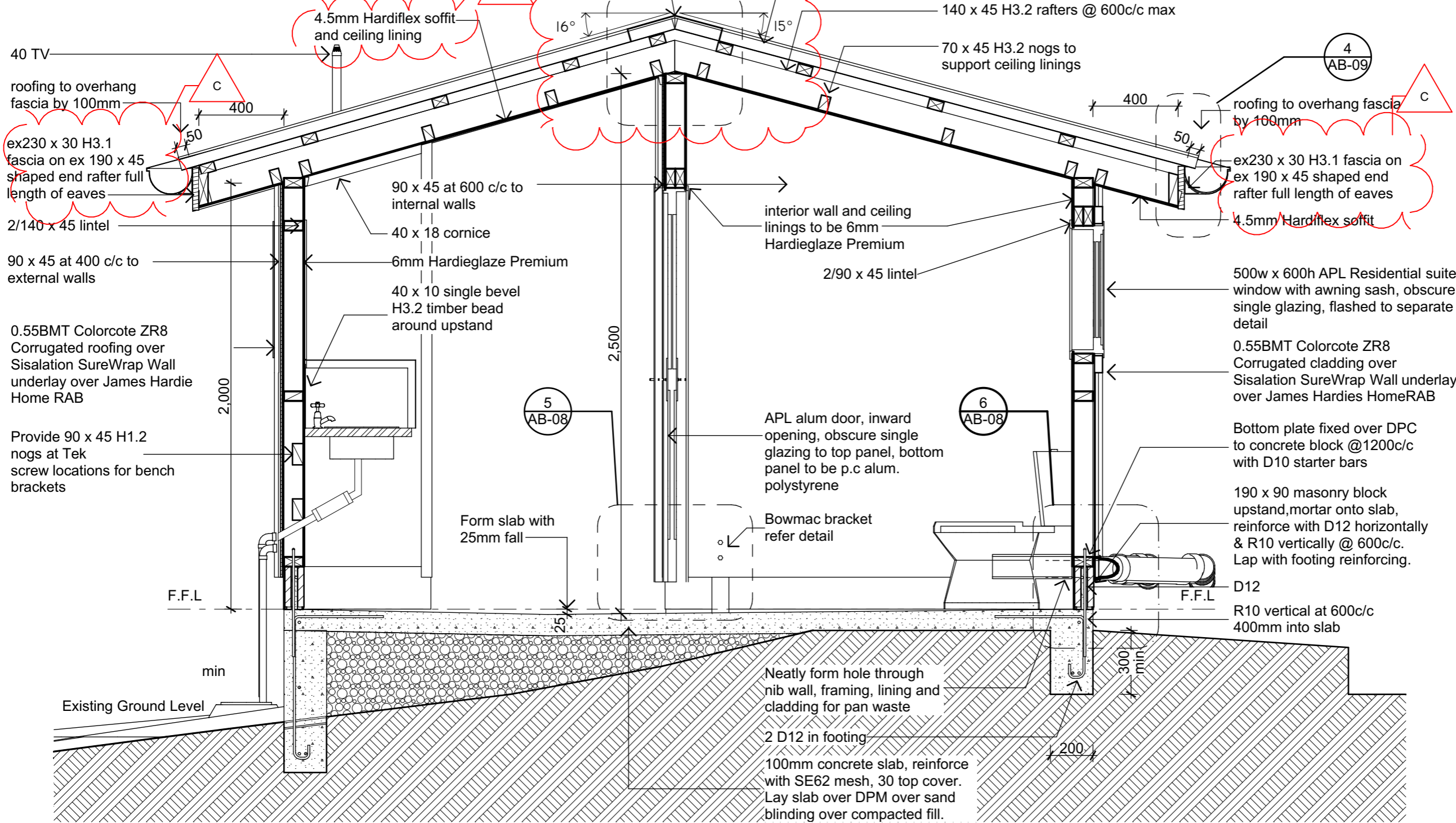
Drawing Name:
Elevations, Drainage Plan, Sections

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

Drawing No: **AB-04** Revision: **B**

Ridge flashing 200mm min each side with NO soft edge.
 Fix over profiled compressible foam set 50mm
 back from hemmed edge of flashing

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.



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Client:
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Project Name: **Mintaro Hut Ablutions Block**
 Milford Track Fiordland National Park

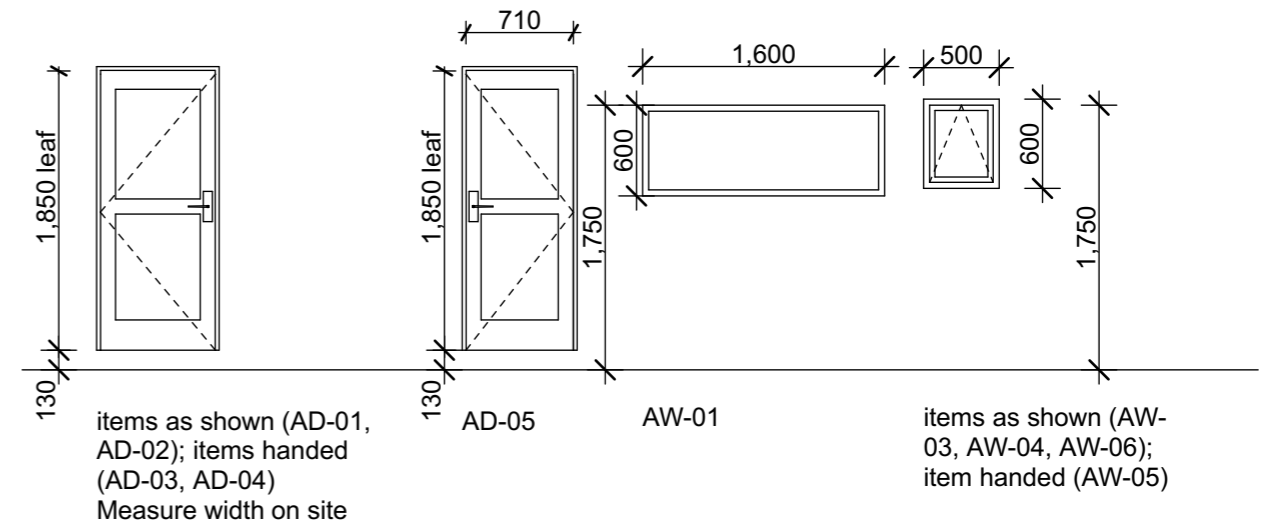
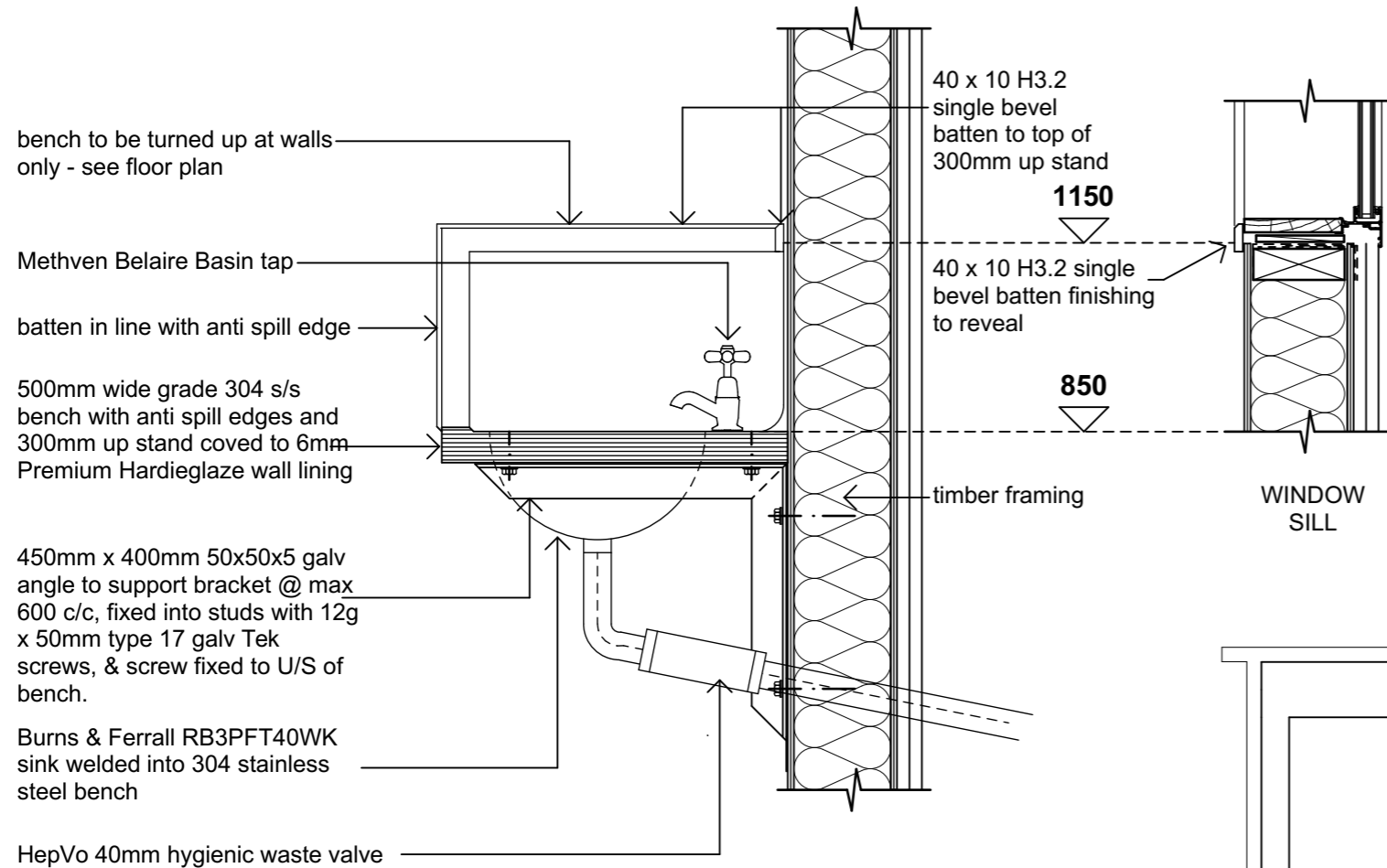
Detailed Design

Drawing Name:
Section

Revisions		
A	Developed Design	22/03/2019
B	Detail Design	14/06/2019
C	Structure & Details	4/09/2019

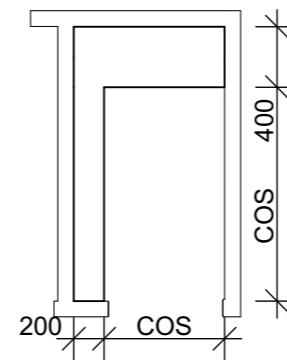
Scale @ A3: **1:20**

Drawing No: **AB-05** Revision: **C**



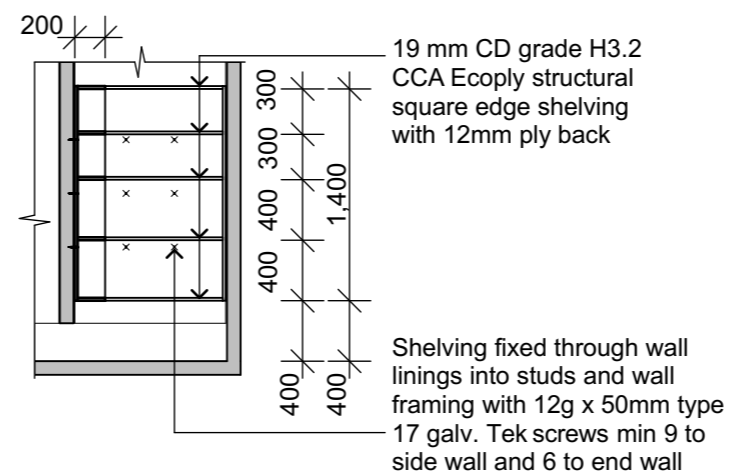
Ablution Doors & Windows

1:50



4 Store Shelving - Plan

Scale 1:50

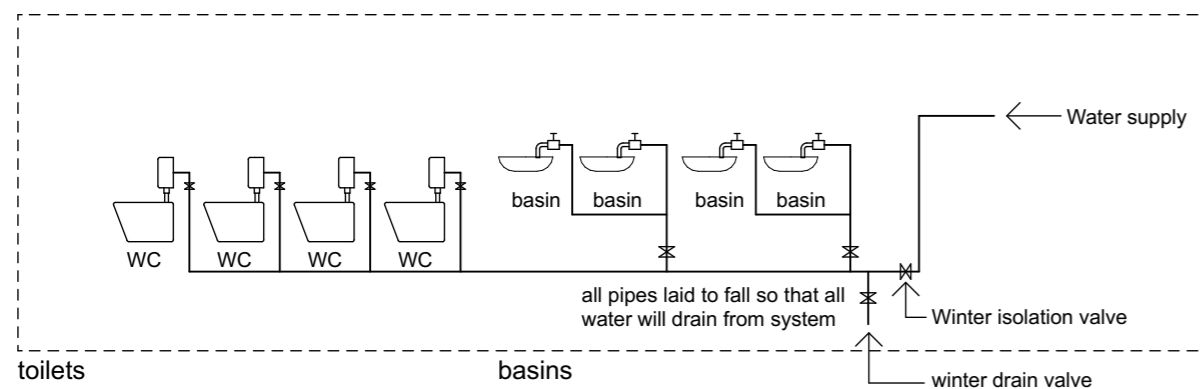


5 Store Shelving - Front Elevation

Scale 1:50

Sink Details

1:10



- Toilets: Dux Vienna ceramic pan with 'P' trap and Vienna 4.5/3 cistern and Royal seat
- Taps: Methven Belaire Basin Taps with 15mm standard washer headworks
- Isolation valves: Isolation and drain valves to be Hansen fittings with removable handles.

Water schematic

1:50

JOINERY LEGEND

- AW-01-05** 500w x 600h powder coated APL Residential aluminium window. Complete with awning sash and selected obscure glazing. Refer to details for flashing installation details
- AW-06** 1600w x 600h powder coated APL Residential aluminium window. Complete with clear glazing. Refer to details for flashing installation.
- AD01-05** 1850h powder coated APL Residential aluminium door. Width to be determined on site to suit finishing detail to wall shown on detail sheet. Selected obscure glazing to top panel, bottom panel to be powder coated aluminium faced polystyrene. Note that the bottom of the door is 130mm above FFL. Refer to spec for hardware.

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Client:
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Project Name: Project No: 1772

**Mintaro Hut
Ablutions Block
Milford Track Fiordland National Park**

Detailed Design

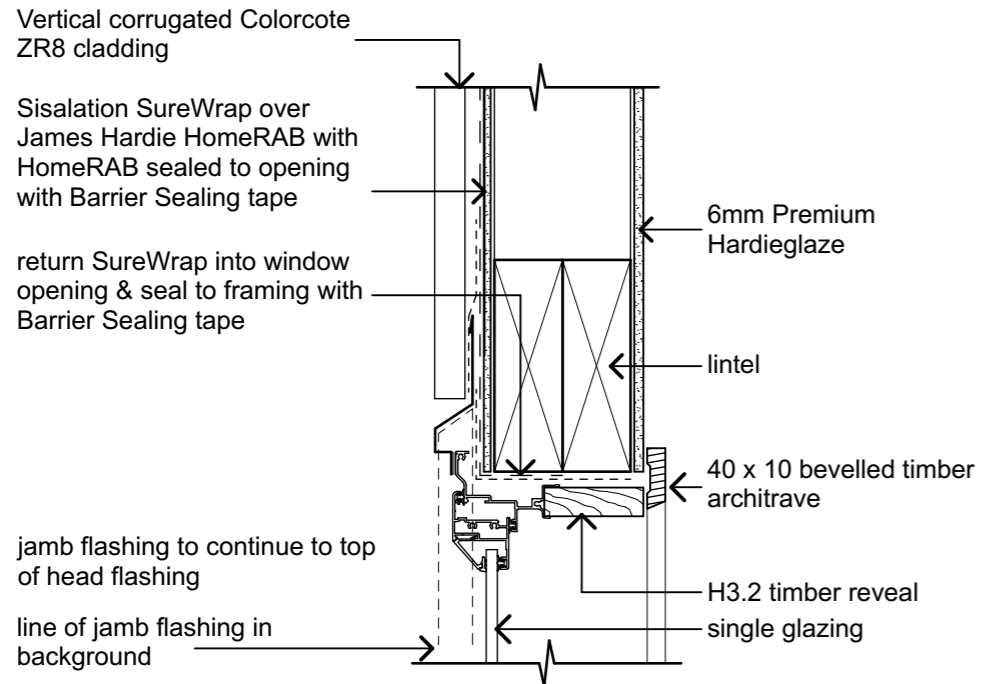
Drawing Name:

Doors & Windows, Water Schematic, Store Shelving, Details

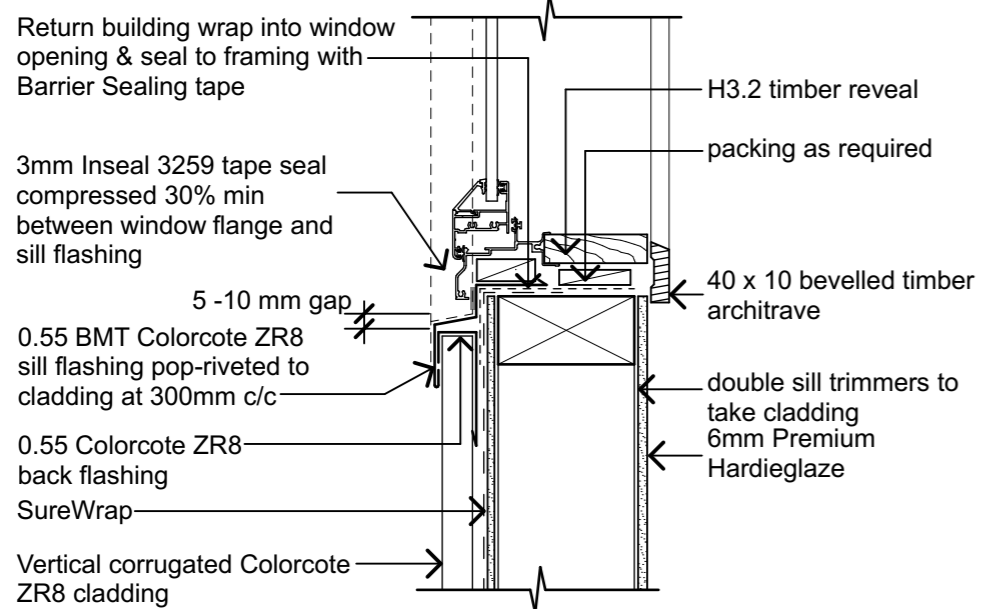
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Drawing No: **AB-06** Revision: **A**

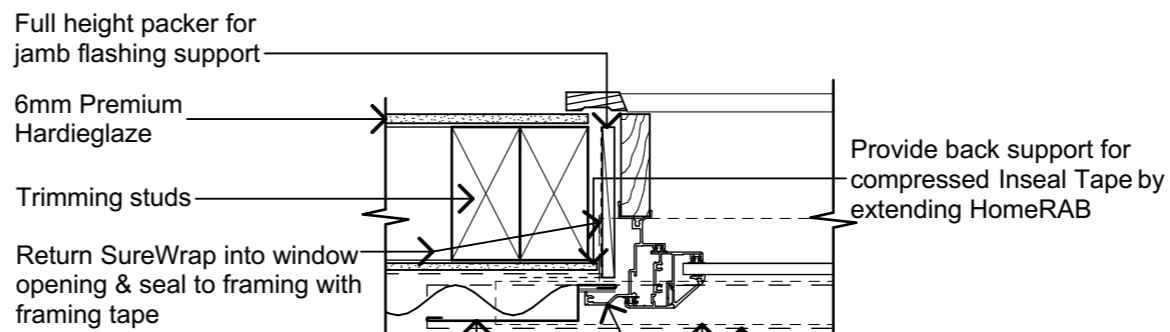
Revisions		
A	Detail Design	14/06/2019



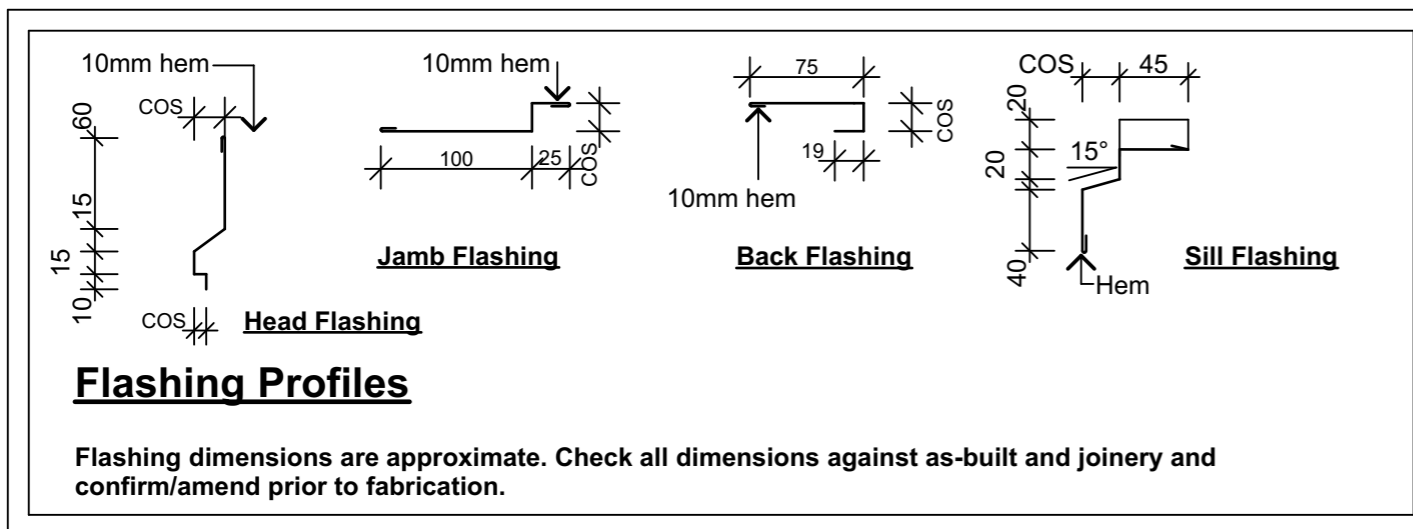
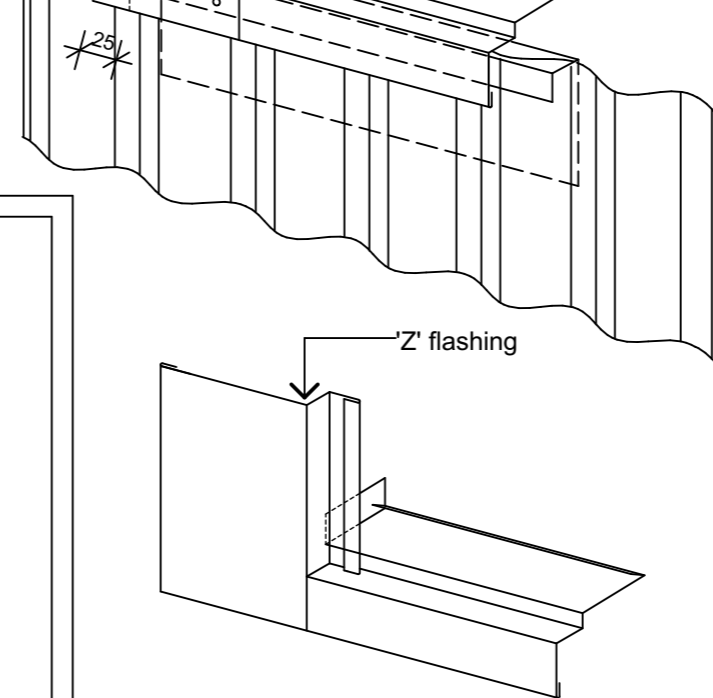
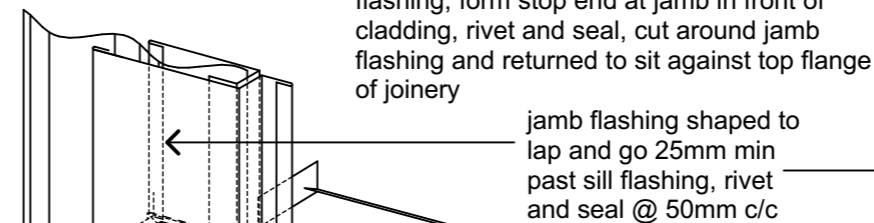
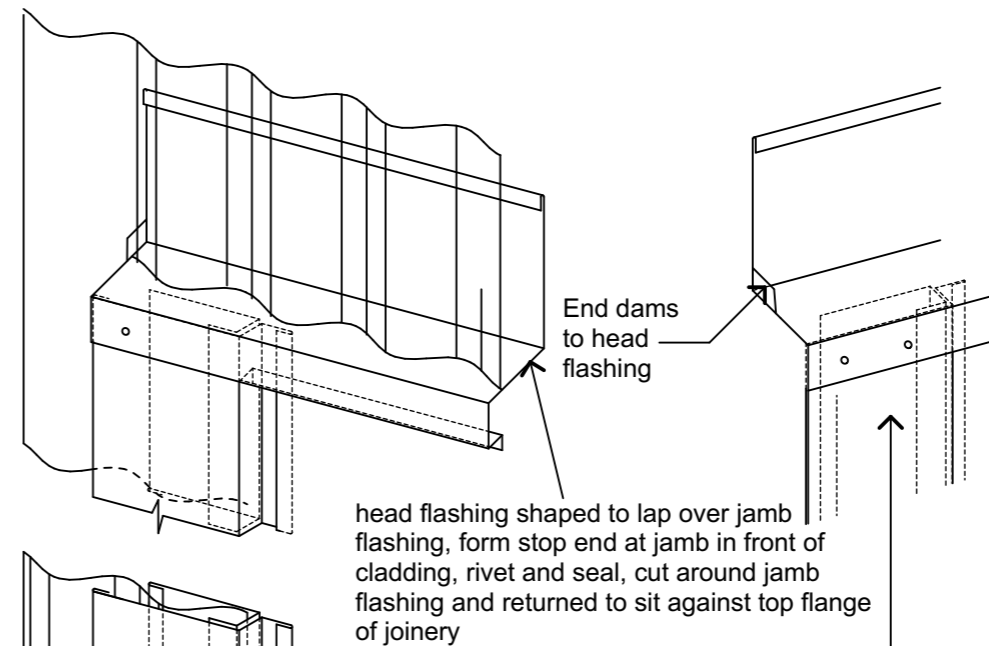
1 head
1:5



2 sill
1:5



3 jamb
1:5



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

Ablutions Block
Milford Track Fiordland National Park

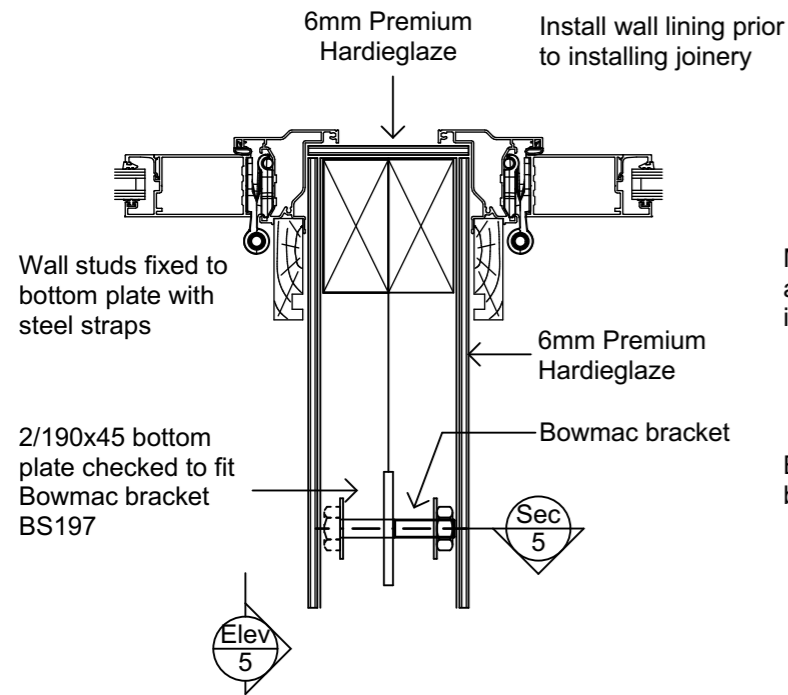
Detailed Design

Drawing Name:
Window Details

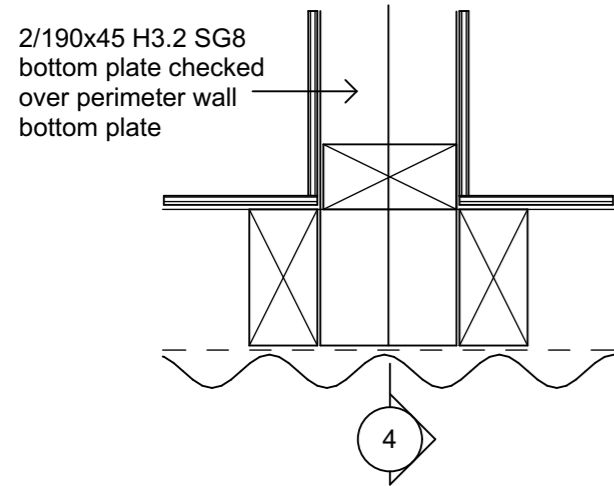
Scale @ A3: **1:5**

Drawing No: **AB-07** Revision: **A**

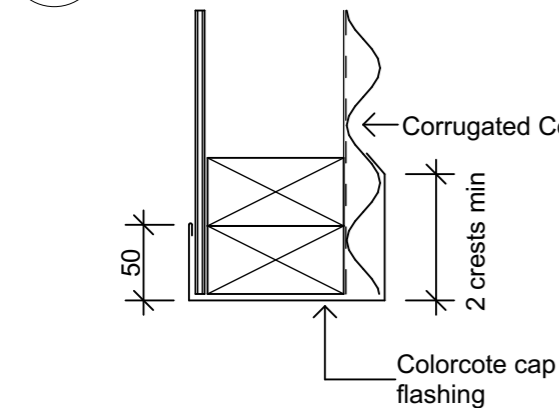
Revisions		
A	Detail Design	14/06/2019



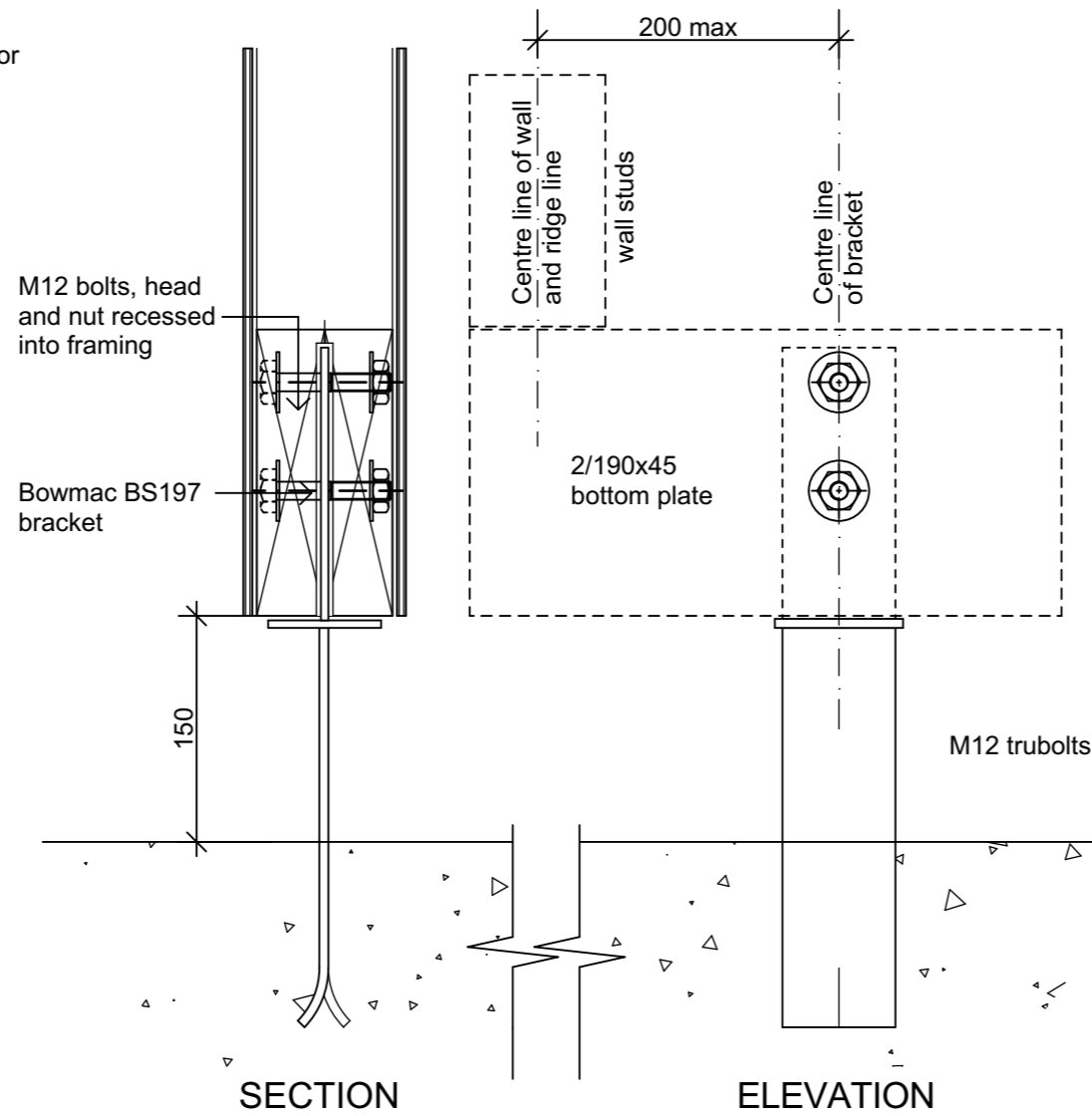
1 Door Jamb Detail
Scale 1:5



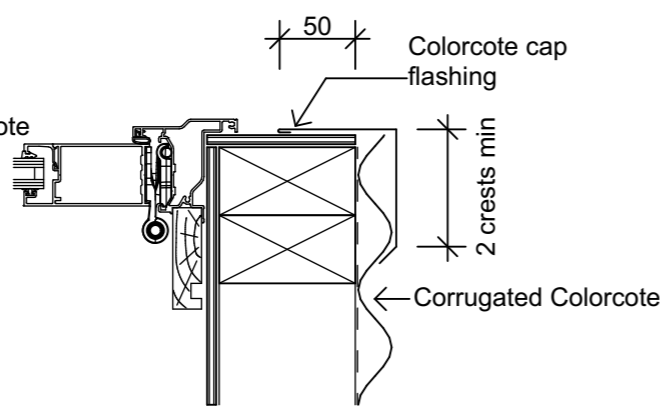
2 Wall Connection
Scale 1:5



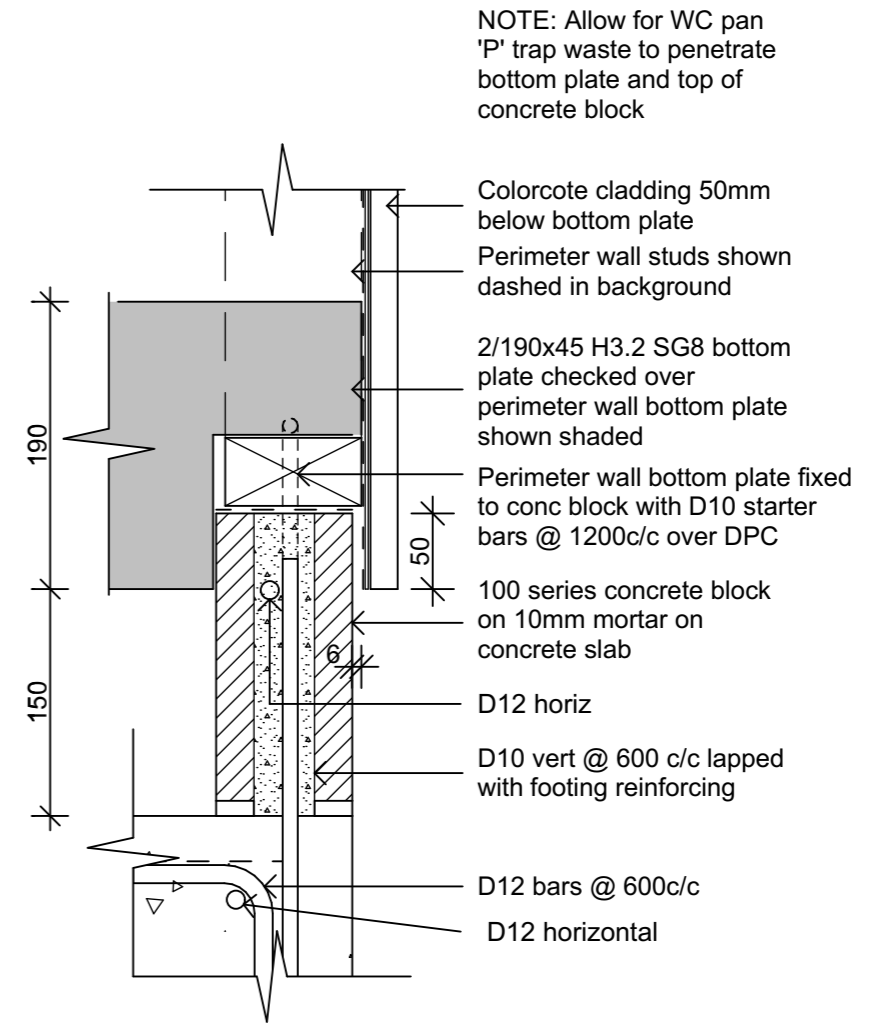
3 Wing Wall Flashing
Scale 1:5



5 Bowmac Bracket Detail
Scale 1:5



4 Wall Flashing
Scale 1:5



6 Bottom Plate Detail
Scale 1:5

NOTE: Allow for WC pan 'P' trap waste to penetrate bottom plate and top of concrete block

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Client:
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Project Name: Project No: 1772

Mintaro Hut
Ablutions Block
Milford Track Fiordland National Park

Detailed Design

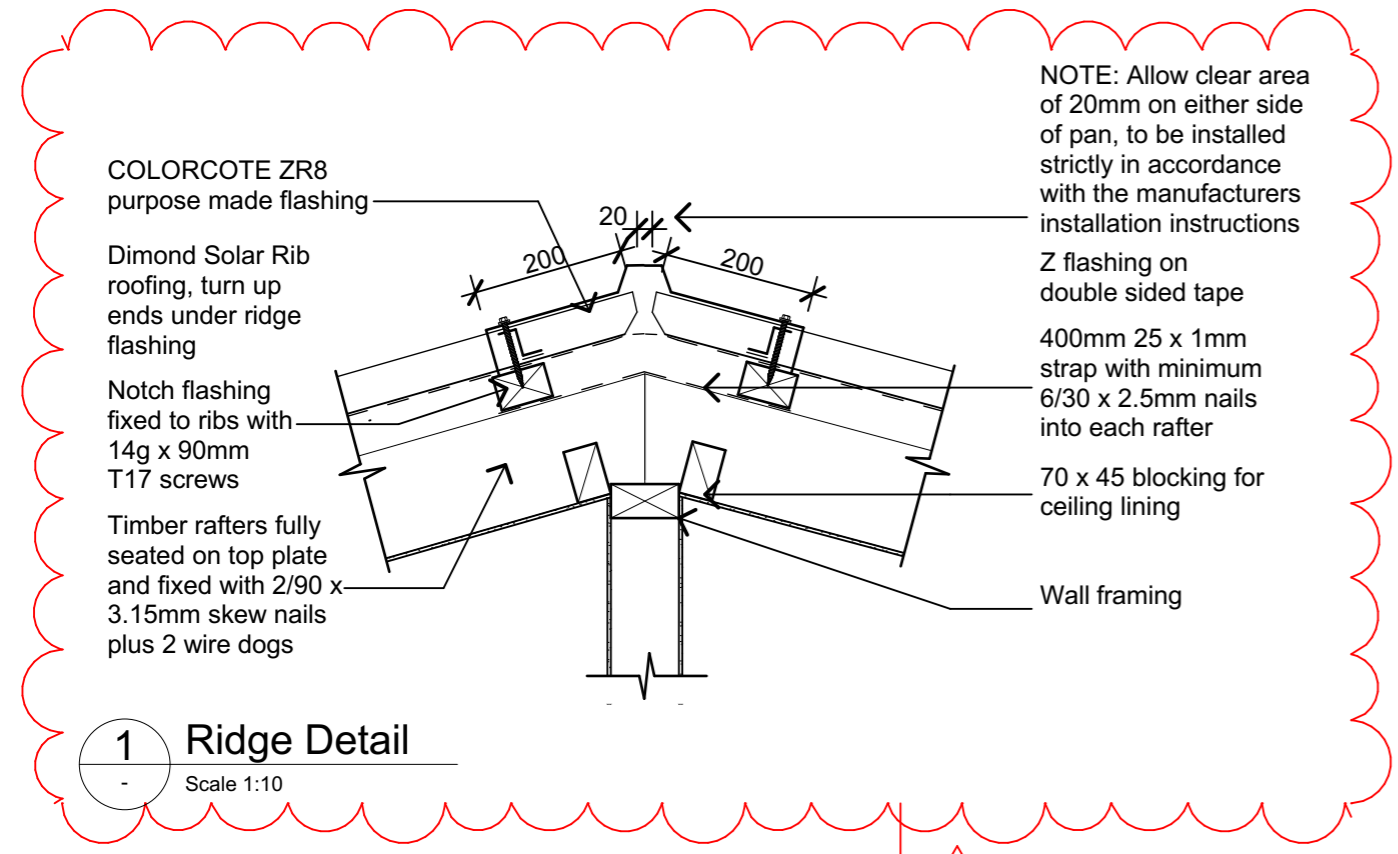
Drawing Name:

Construction Details

Revisions		
A	Detail Design	14/06/2019

Scale @ A3: 1:5

Drawing No: **AB-08** Revision: **A**



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 rafters fully seated on top plate and fixed with 2/90 x 3.15mm skew nails plus 2 wire dogs

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

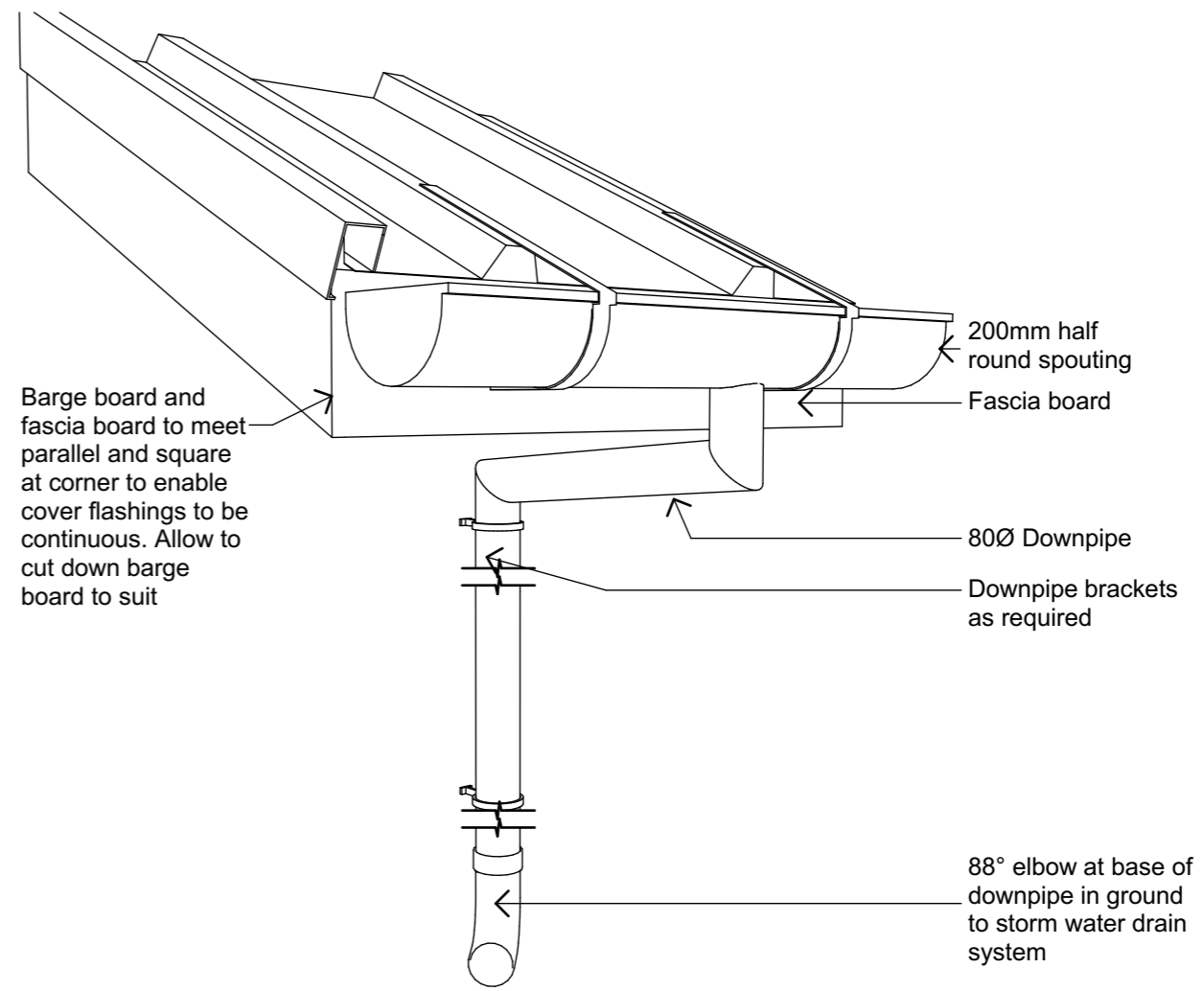
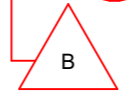
Z flashing on double sided tape

400mm 25 x 1mm strap with minimum 6/30 x 2.5mm nails into each rafter

70 x 45 blocking for ceiling lining

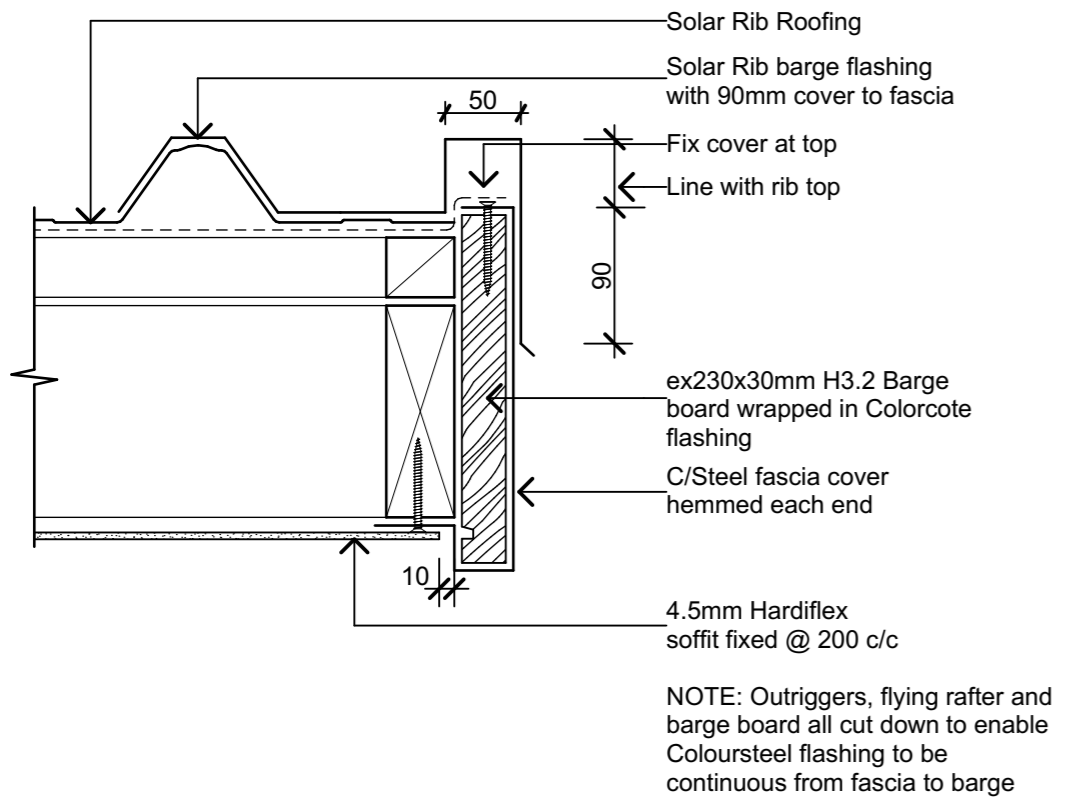
Wall framing

1 Ridge Detail
Scale 1:10



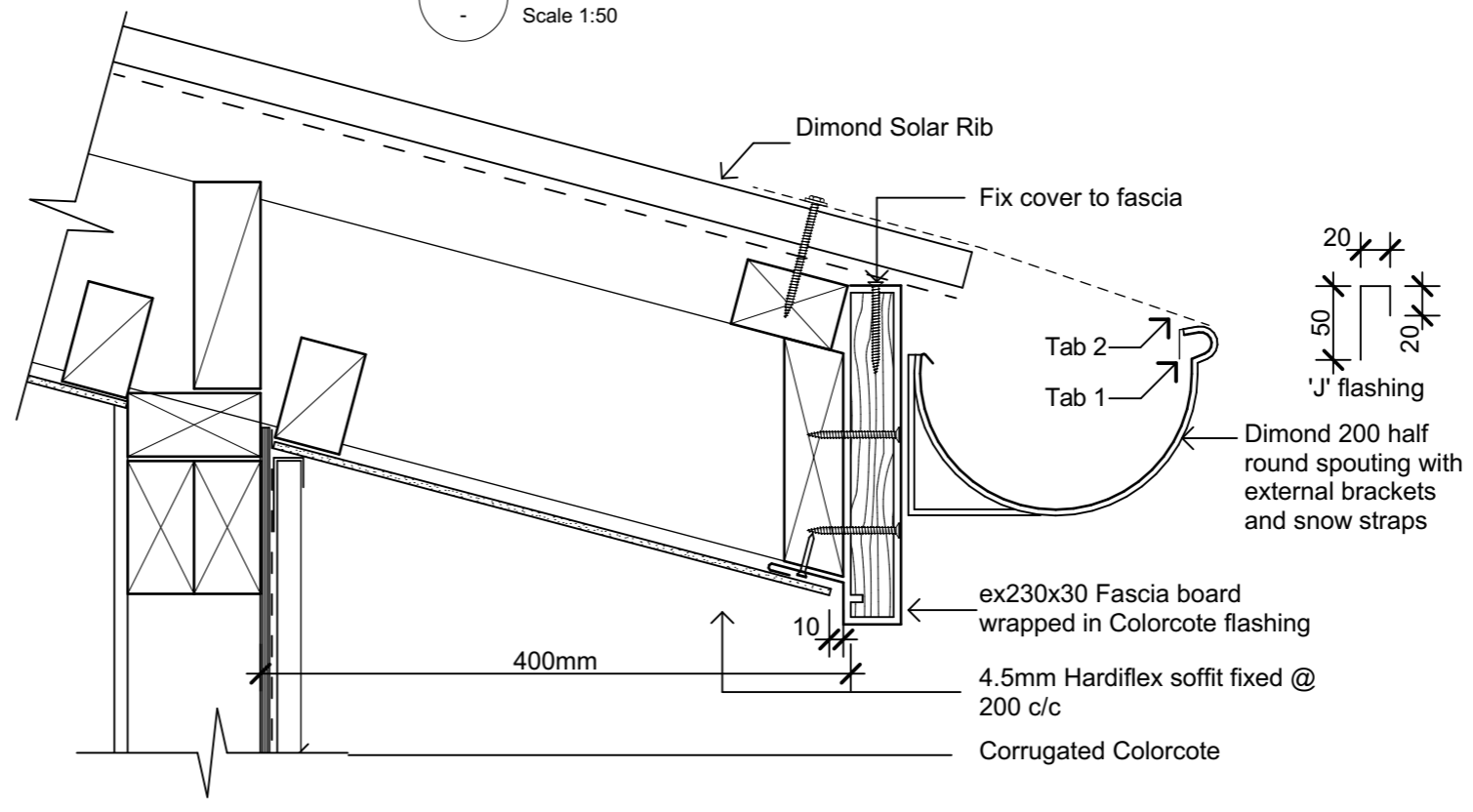
Barge board and fascia board to meet parallel and square at corner to enable cover flashings to be continuous. Allow to cut down barge board to suit

2 AB Roof/Barge/Fascia Junction
Scale 1:50



NOTE: Outriggers, flying rafter and barge board all cut down to enable Coloursteel flashing to be continuous from fascia to barge

3 Barge Detail
Scale 1:5



4 Eave Detail
Scale 1:5

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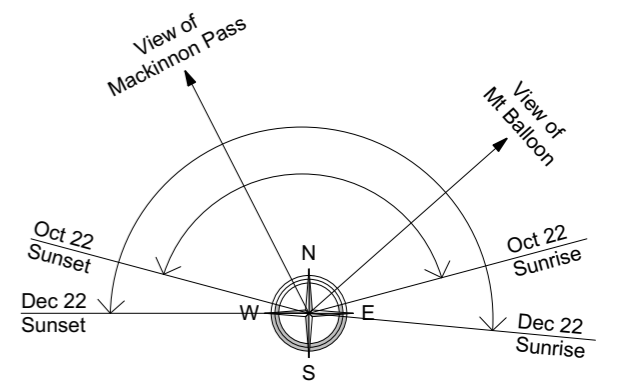
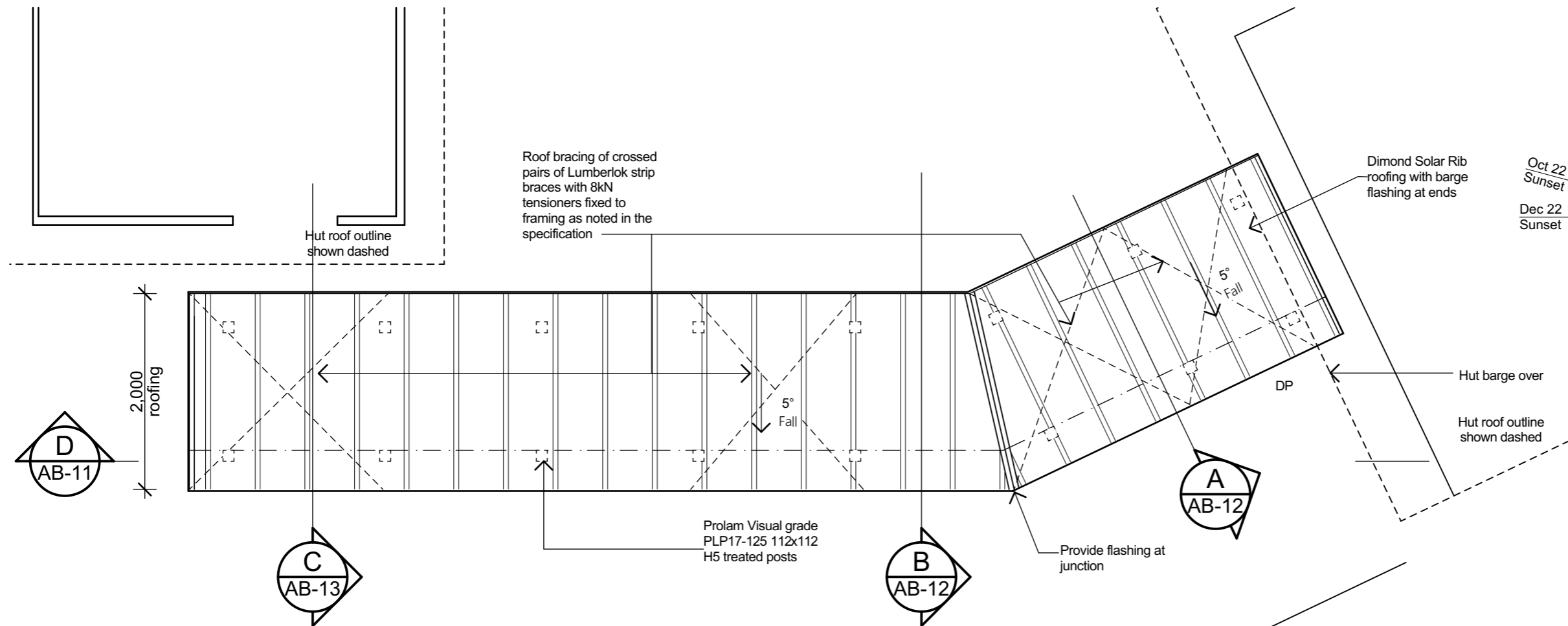
Mintaro Hut
Ablutions Block
Milford Track Fiordland National Park

Detailed Design
Drawing Name:
Roof Details

Revisions		
A	Detail Design	14/06/2019
B	Structure & Details	4/09/2019

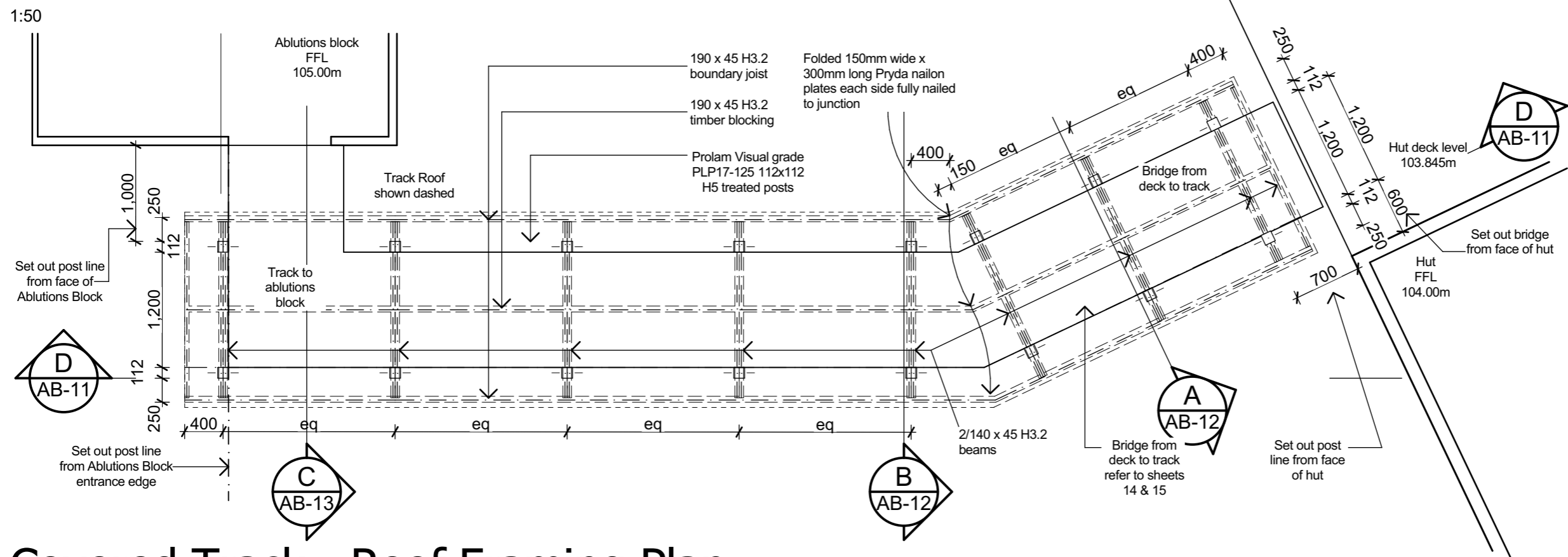
Scale @ A3: 1:10, 1:50, 1:5

Drawing No: **AB-09** Revision: **B**



Sunshine Hours
 Season Start (Late Oct)
 -Refer Compass Rose
 Season End (Late April)
 -About 1 Hour

Covered Track - Roof Plan



NOTE: Check all dimensions on site relative to as built hut and abutions block, and confirm any necessary dimensions with Contract Administrator prior to commencing construction

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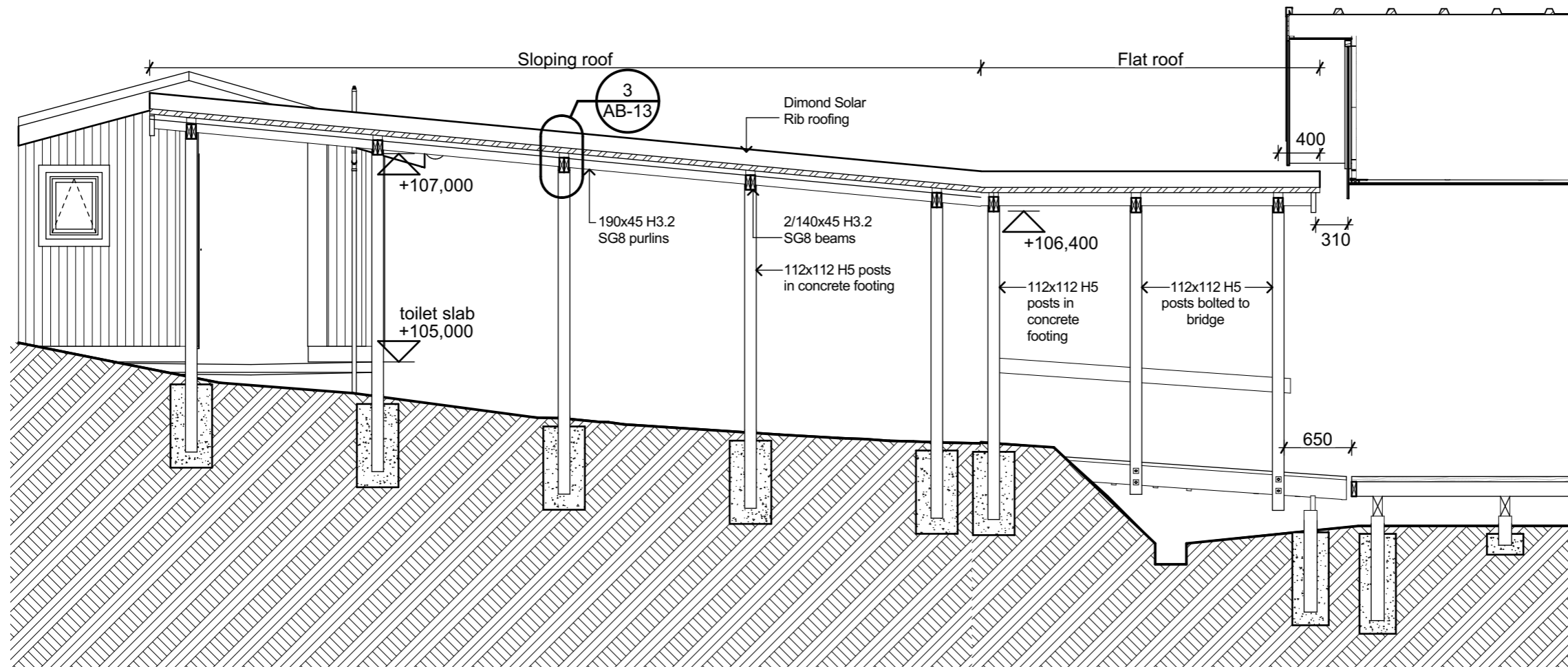
Client: Department of Conservation
 Project Name: Mintaro Hut
 Project No: 1772
 Milford Track Fiordland National Park

Covered Track - Roof Framing Plan

1:50

Revisions		
A	Detail Design	14/06/2019

Scale @ A3: 1:50
 Drawing No: AB-10
 Revision: A



1 Walkway - Section D Part 1
 AB.2 Scale 1:50

2 Walkway - Section D Part 2
 AB.2 Scale 1:50

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Department of Conservation

Project Name: Project No: 1772

Mintaro Hut
 Milford Track Fiordland National Park

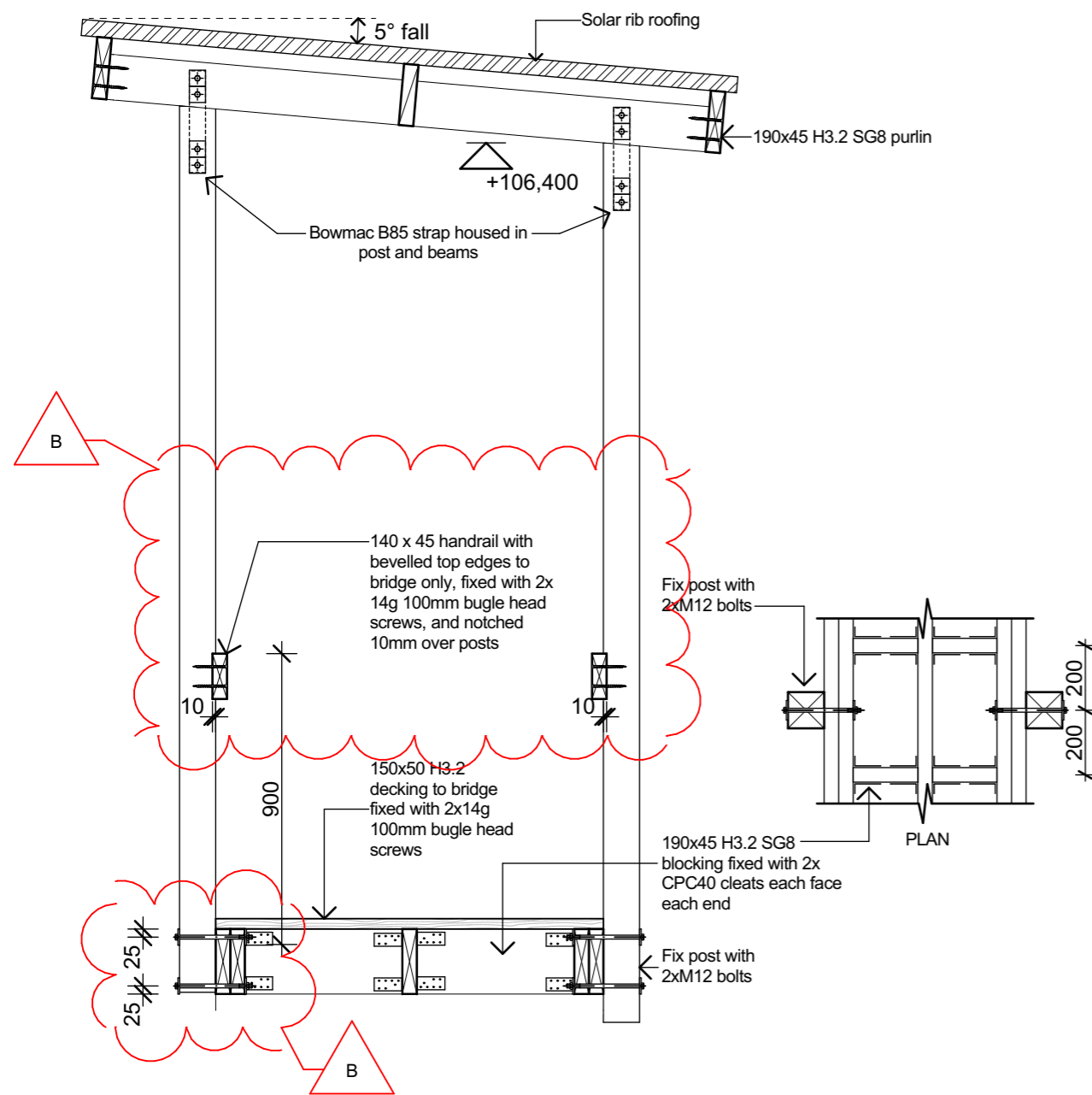
Detailed Design

Drawing Name:
Covered Track - Long Section

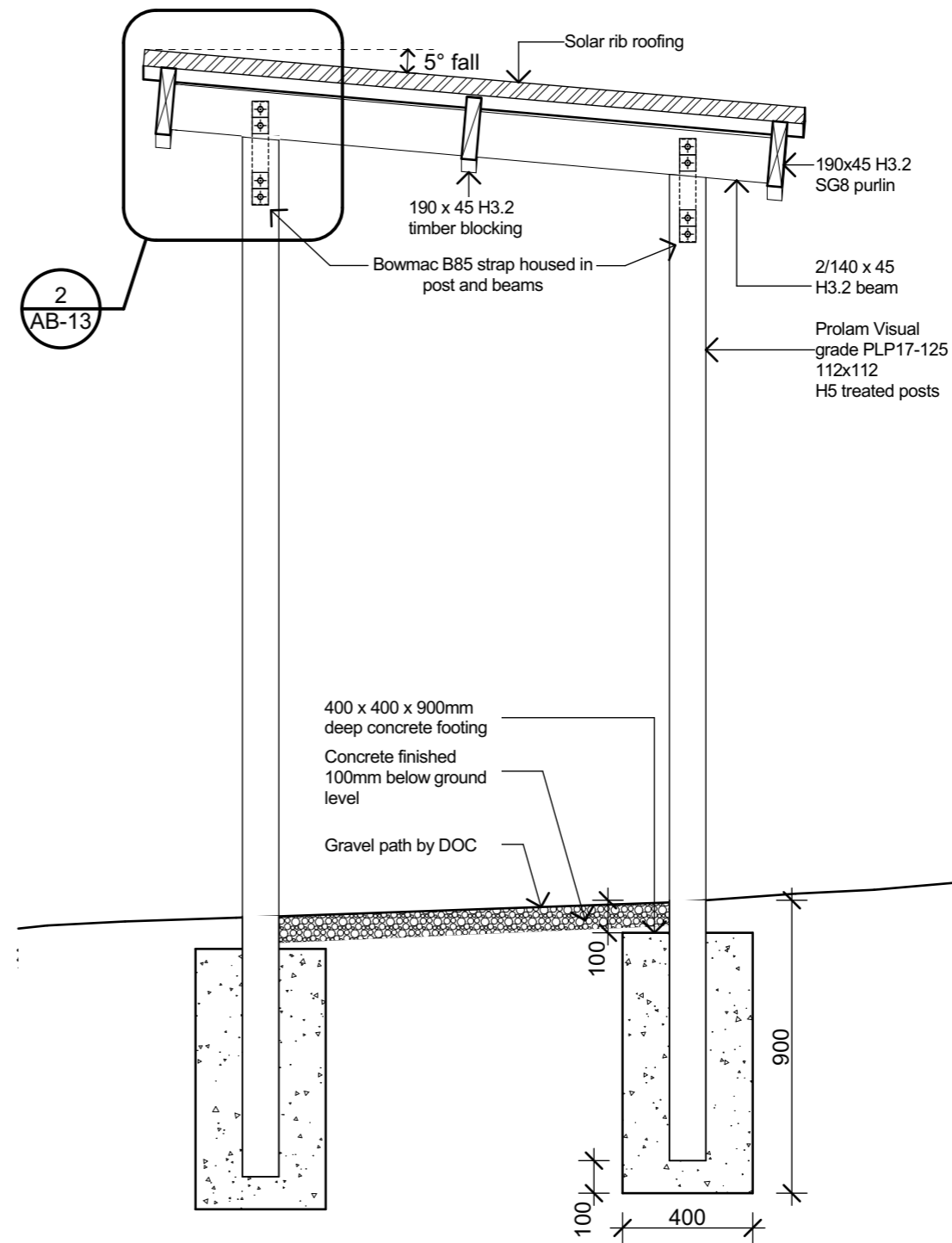
Revisions		
A	Detail Design	14/06/2019

Scale @ A3: **1:50**

Drawing No: **AB-11** Revision: **A**



1 Covered Track - Section A
Scale 1:20



2 Covered Track - Section B
Scale 1:20

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

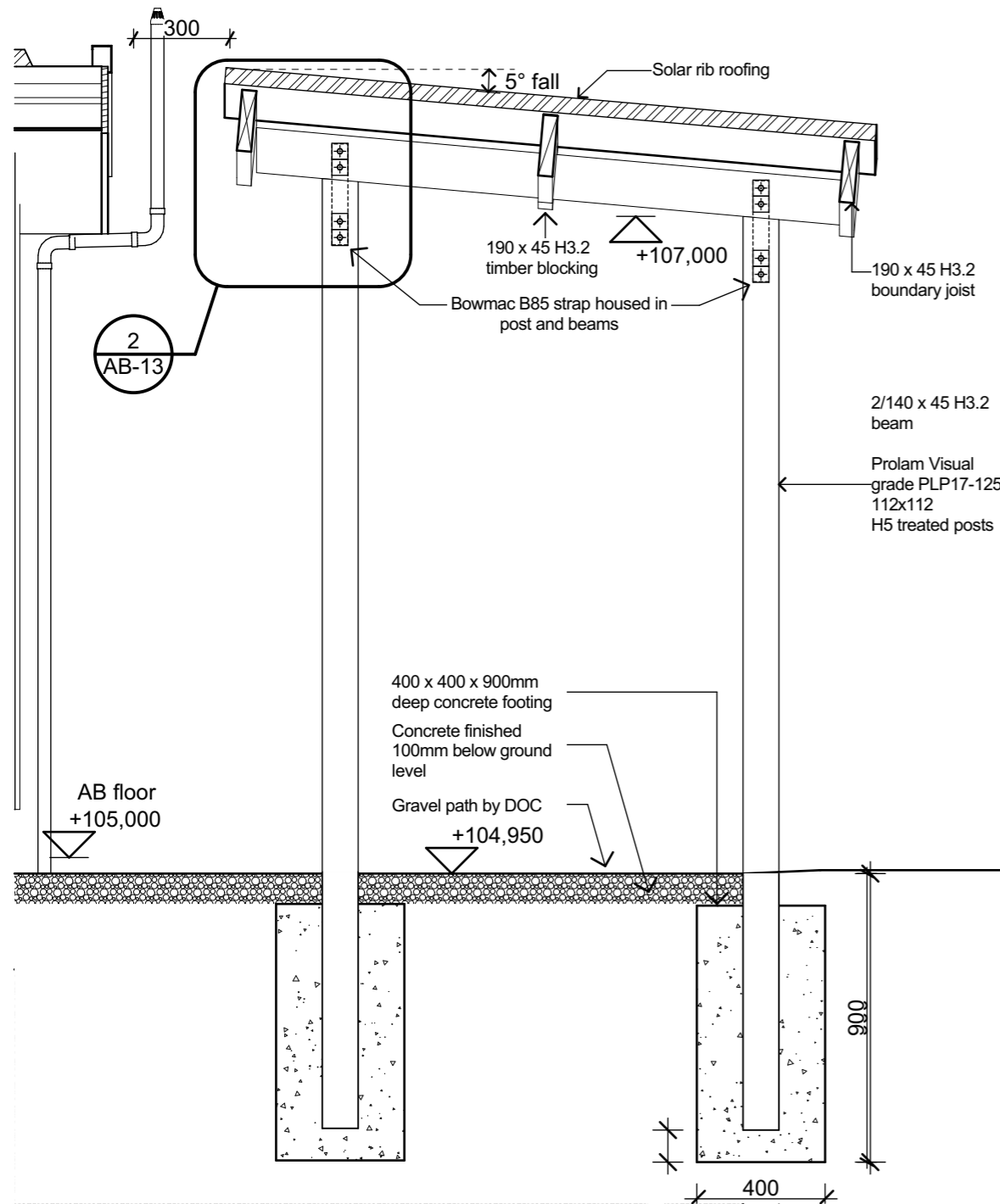
Detailed Design

Drawing Name:
Covered Track - Cross Sections

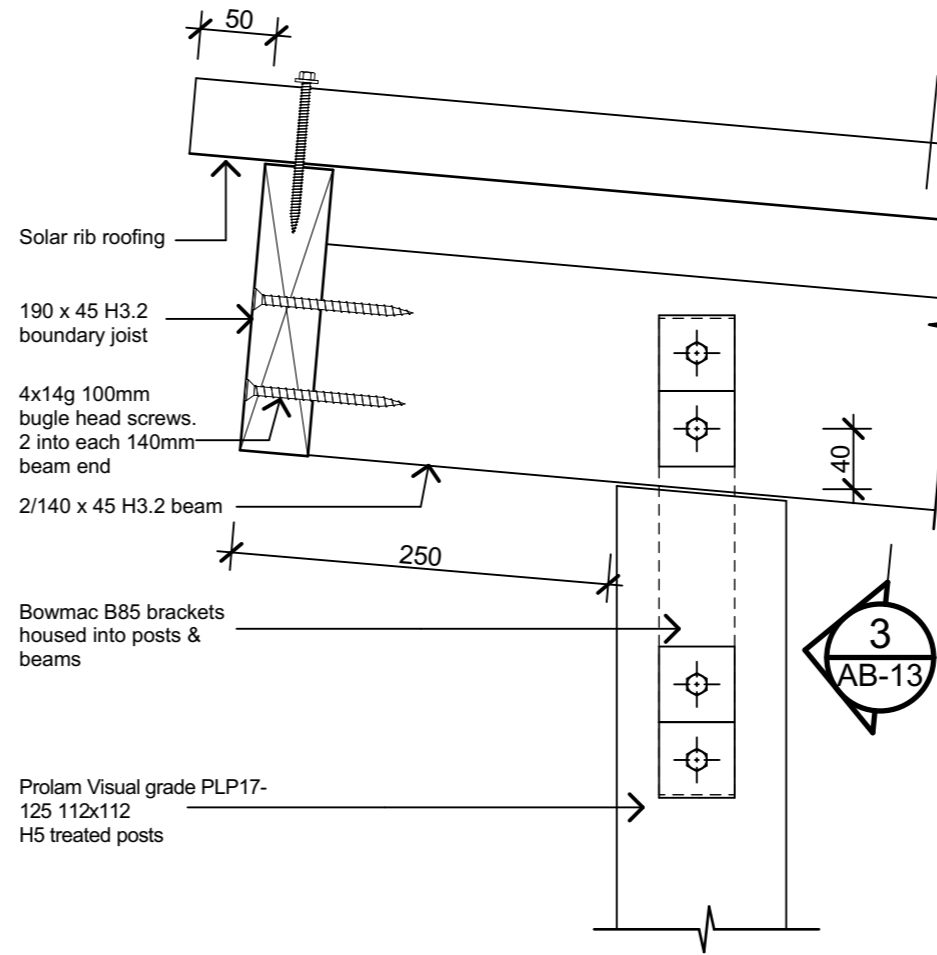
Scale @ A3: **1:20**

Drawing No: **AB-12** Revision: **B**

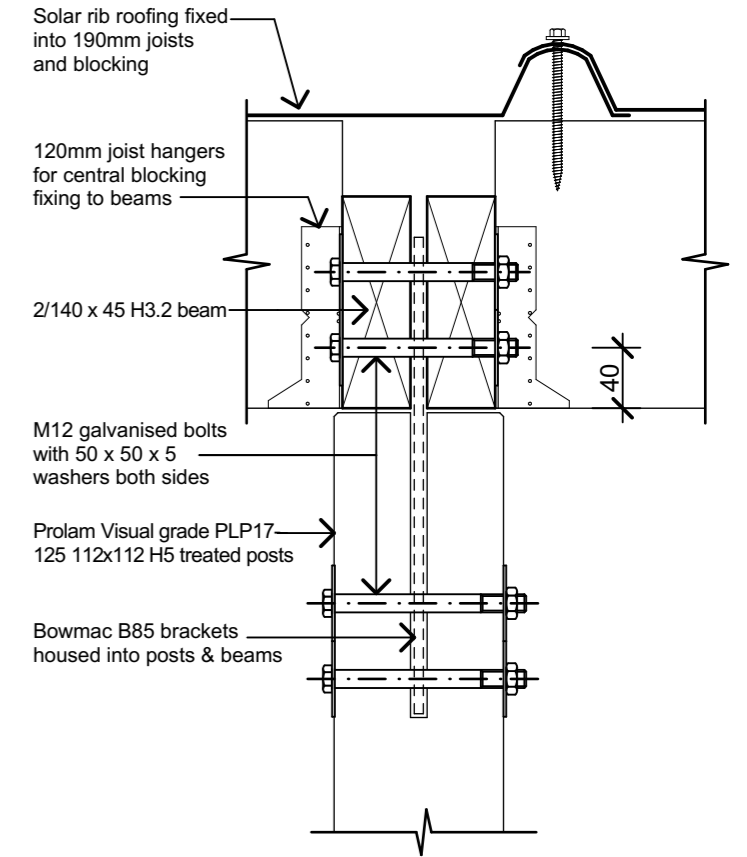
Revisions		
B	Structure & Details	4/09/2019
A	Detail Design	14/06/2019



1 Covered Track - Section C
Scale 1:20



2 Track Roof Detail 1
Scale 1:5



3 Track Roof Detail 2
Scale 1:5

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Client:
Department of Conservation

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

Milford Track Fiordland National Park

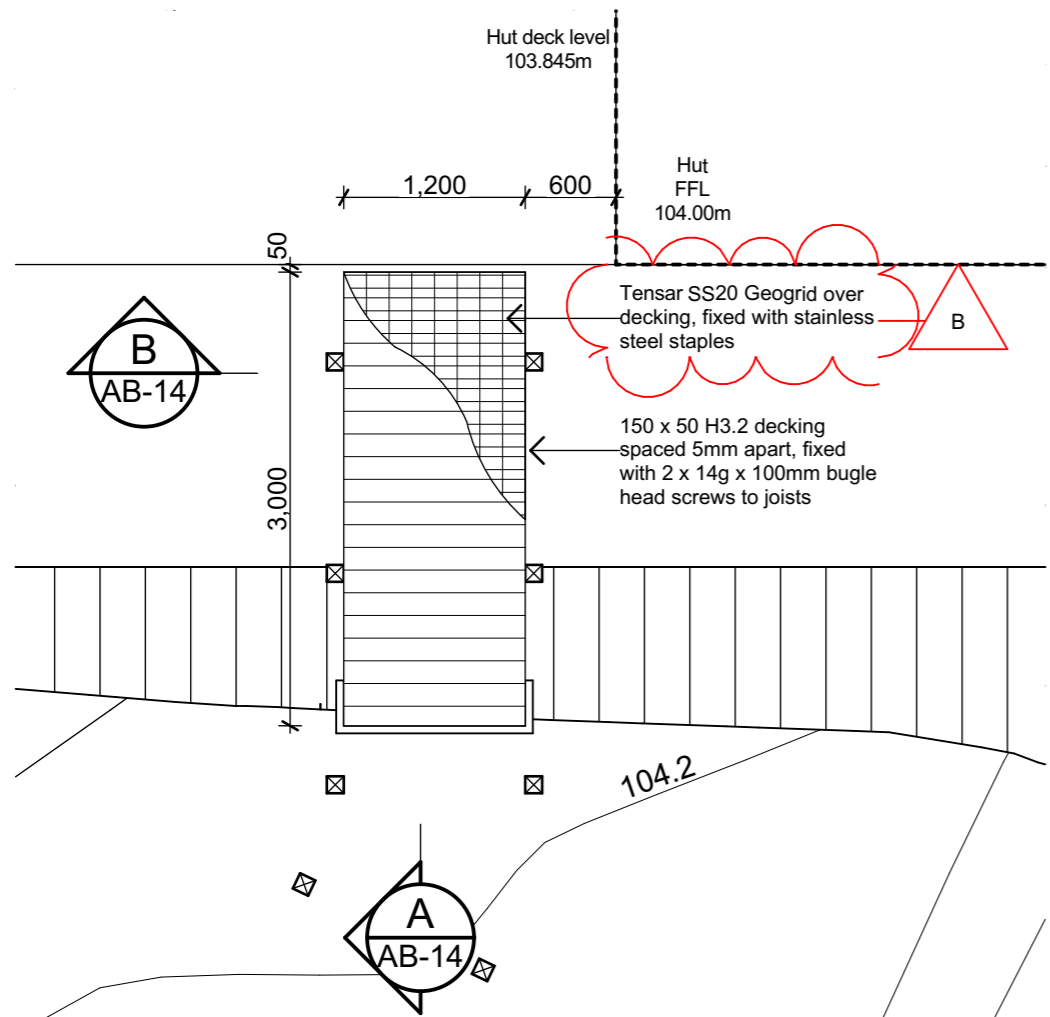
Detailed Design

Drawing Name:
Covered Track - Cross Section & Details

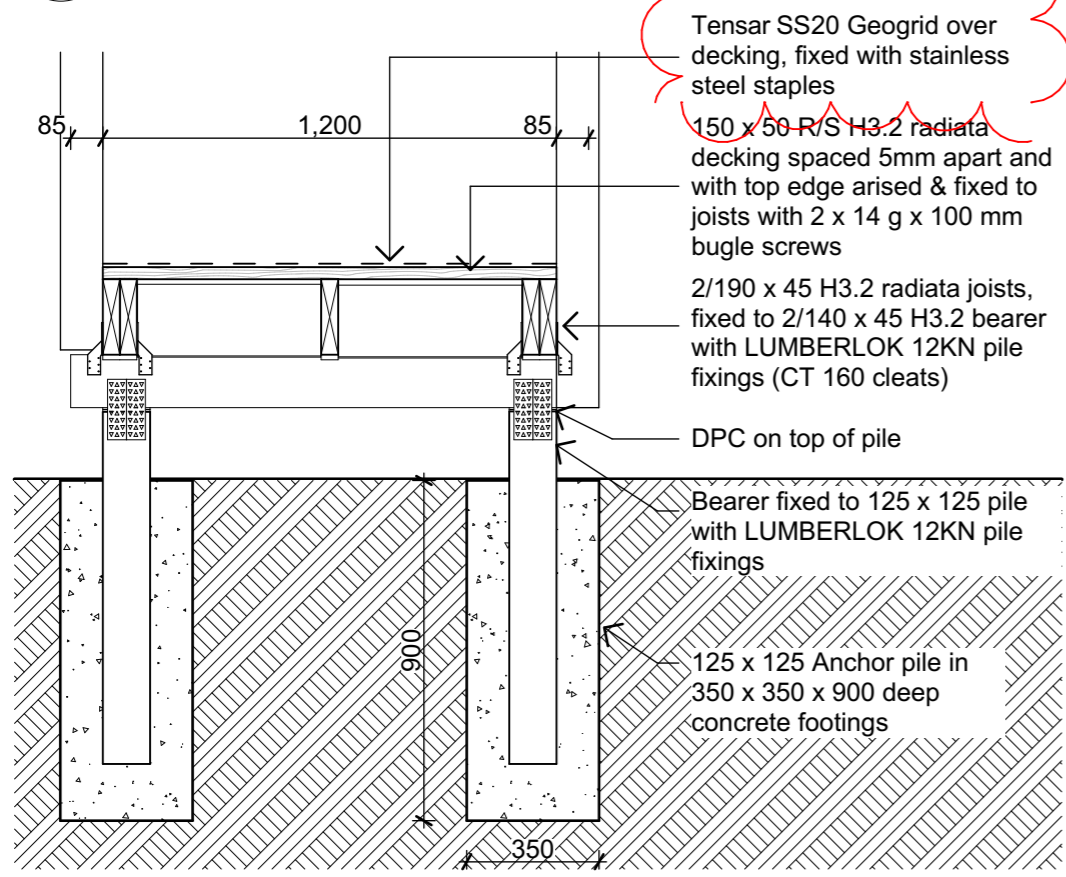
Revisions		
A	Detail Design	14/06/2019

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

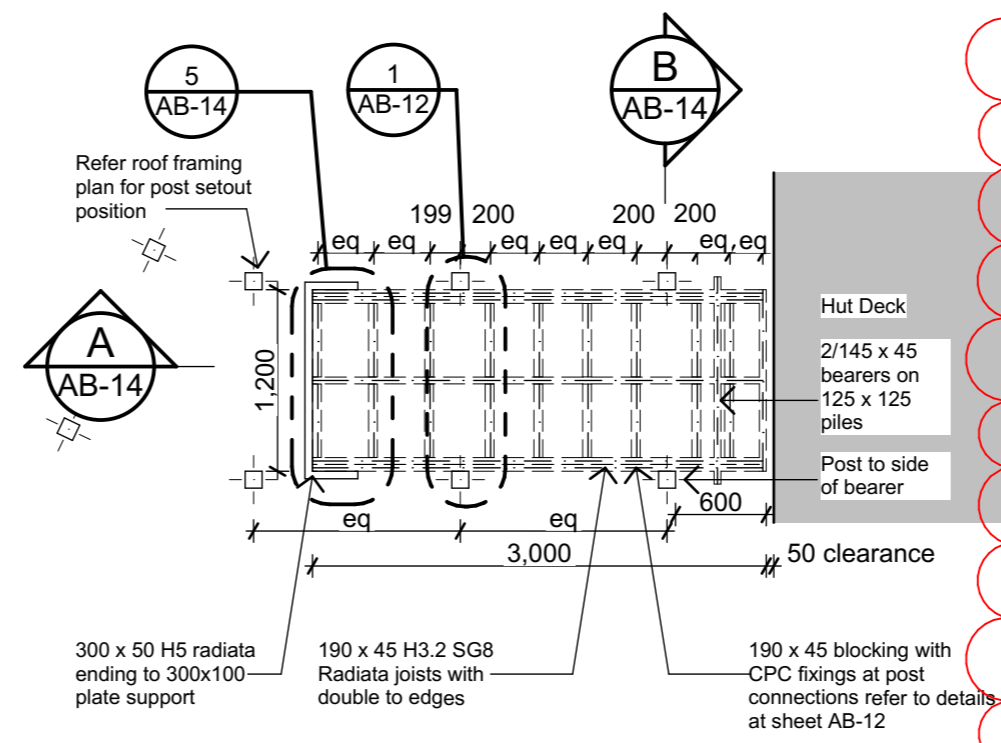
Drawing No: **AB-13** Revision: **A**



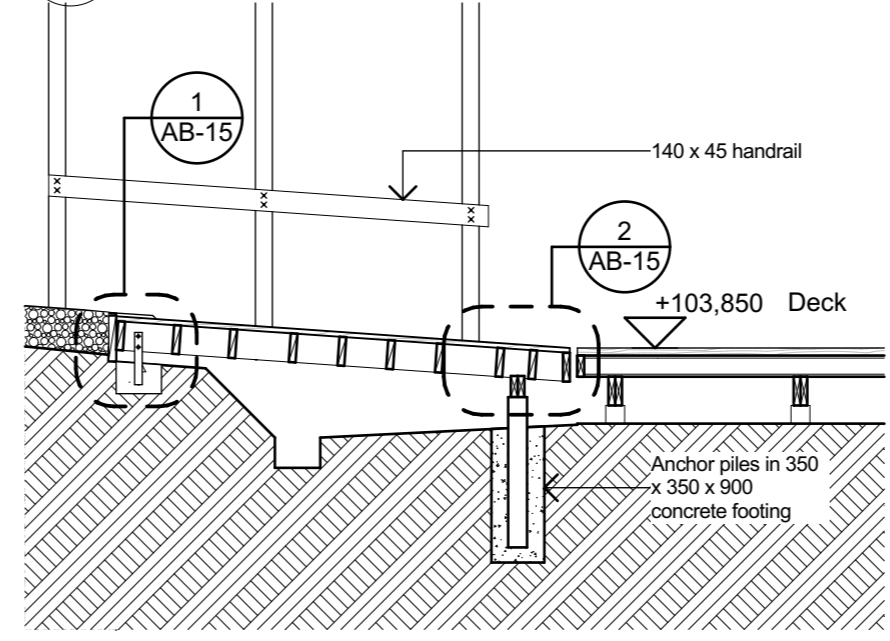
1 Track Bridge - Location Plan
Scale 1:50



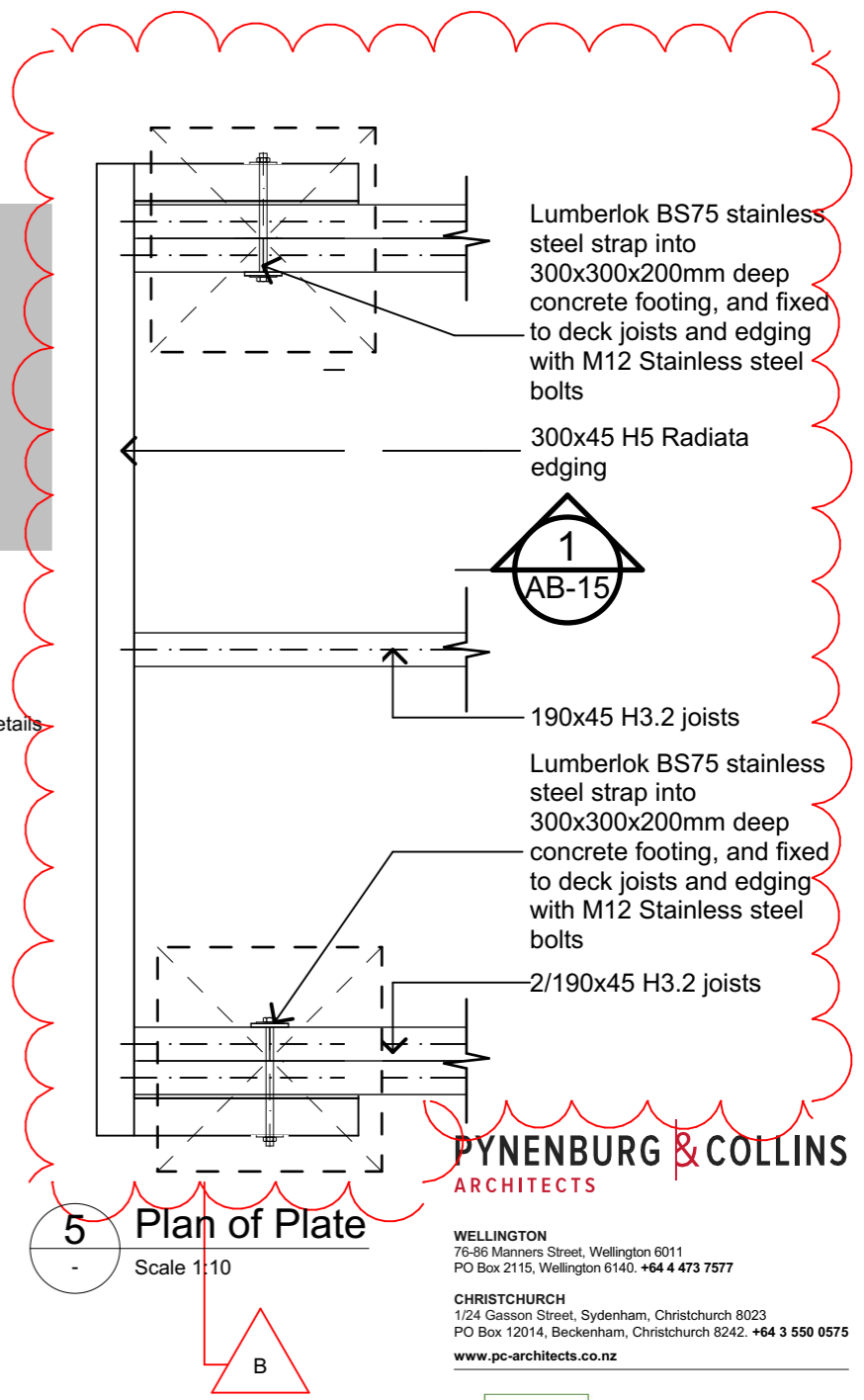
4 Bridge - Section B
Scale 1:20



2 Track Bridge - Plan
Scale 1:50



3 Bridge - Section A
Scale 1:50



5 Plan of Plate
Scale 1:10

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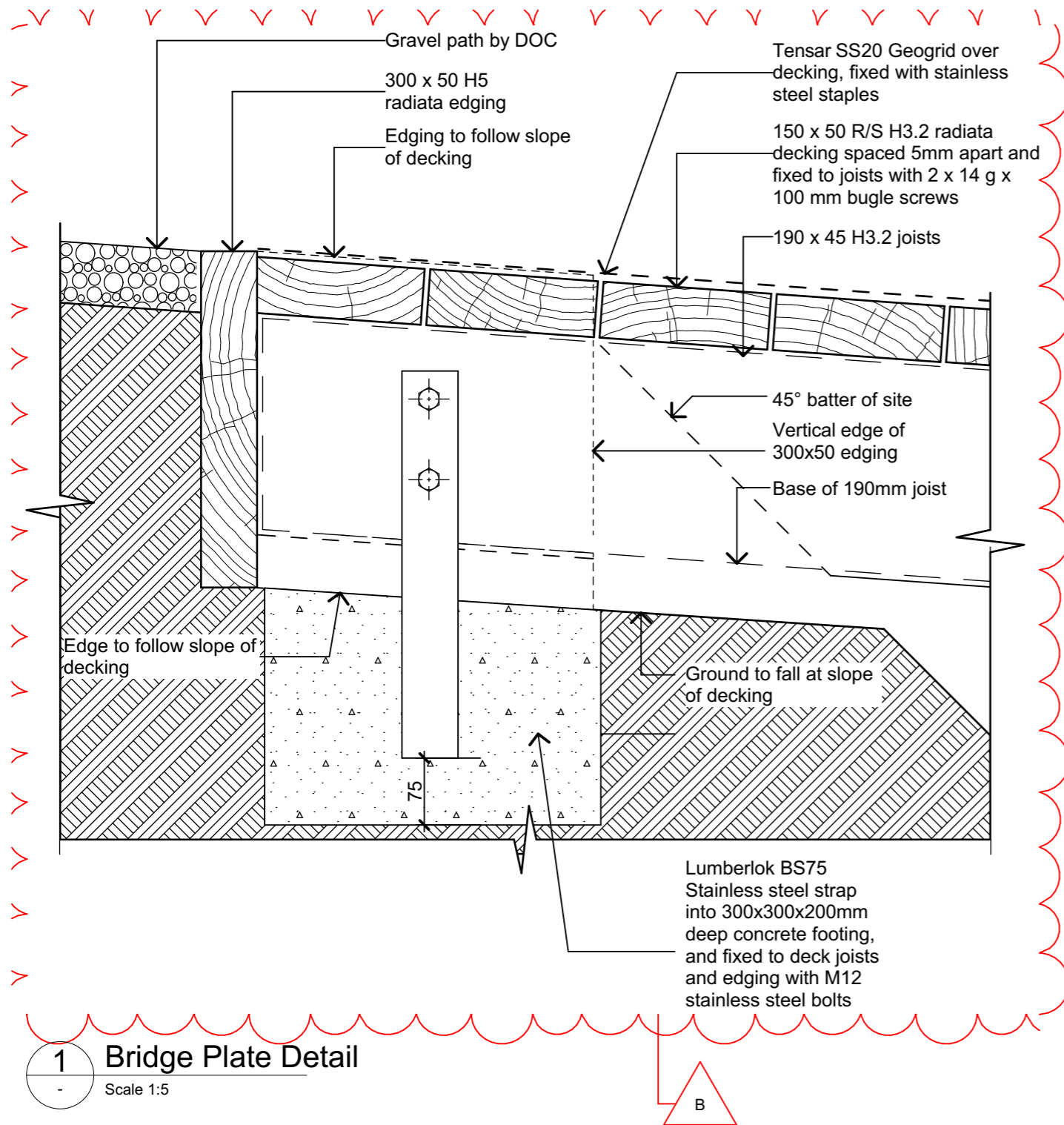


Client: Department of Conservation
Project Name: Project No: 1772
Mintaro Hut
Milford Track Fiordland National Park

Detailed Design
Drawing Name: Track Bridge - Plan & Sections

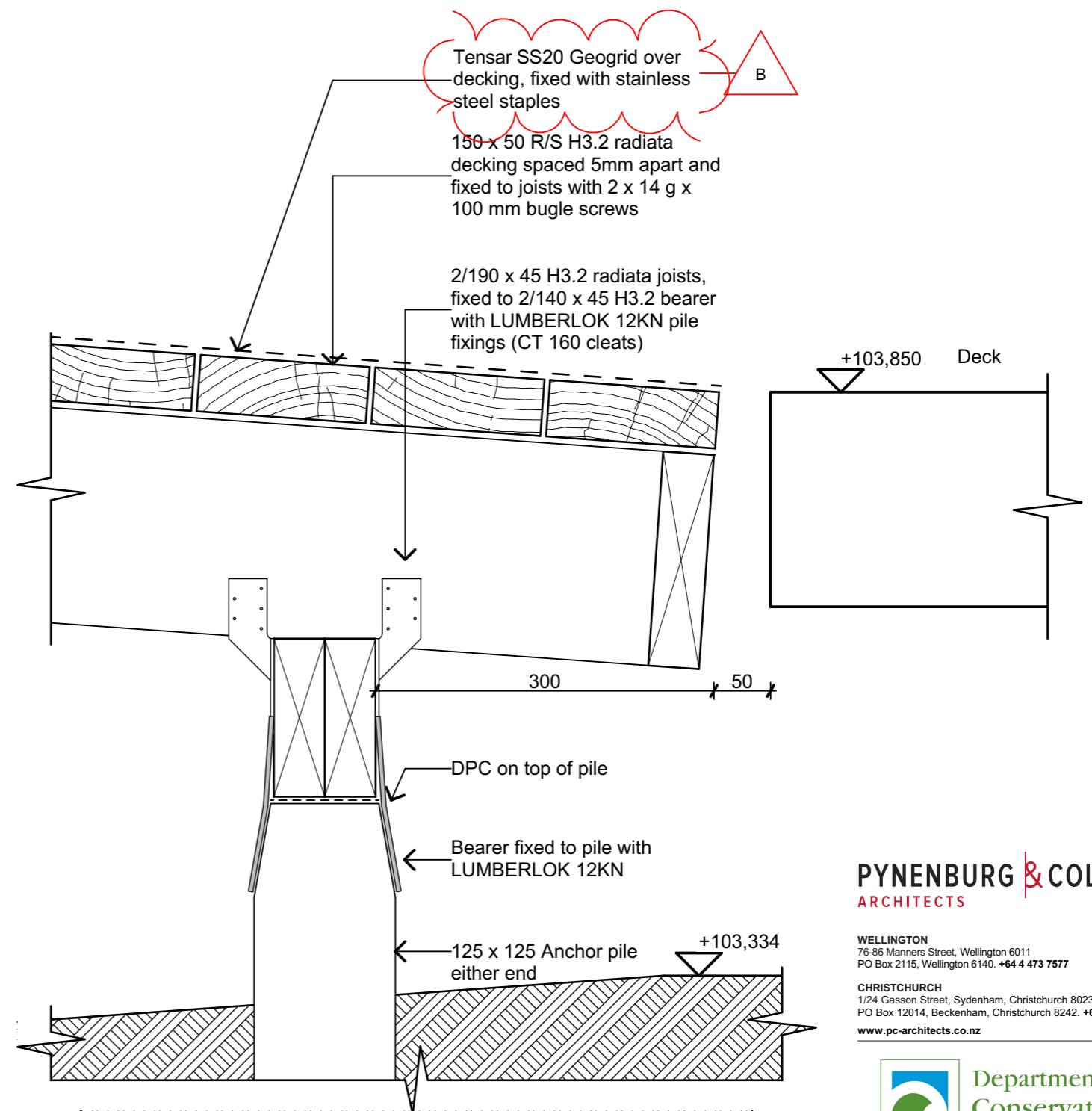
Revisions		
B	Structure & Details	4/09/2019
A	Detail Design	14/06/2019

Scale @ A3: 1:50, 1:20, 1:10
Drawing No: AB-14
Revision: B



1 Bridge Plate Detail

Scale 1:5



2 Bridge Edge Detail

Scale 1:5

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Client:
Department of Conservation

Project Name: Project No: 1772

Mintaro Hut
Milford Track Fiordland National Park

Detailed Design

Drawing Name:

Track Bridge - Details

Revisions

B	Structure & Details	4/09/2019
A	Detail Design	14/06/2019

Scale @ A3: 1:5

Drawing No: Revision:

AB-15

B