

DI17048 - Bridge Control Tower DI17048 - Tùr Smachd Drochaid

Community Liaison Meeting
Coinneamh Coimhearsnachd

Community Liaison Meeting
03.06.19



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Introduction

Ro-ràdh

The proposals for the Bridge Control Building forms part of the overall development of Stage 2 of the West Link project commissioned by The Highland Council.

Design proposals for the Bridge Control Building have been developed by The Highland Council, Development and Infrastructure to meet the requirements of the clients with the roadworks and proposed bridges developed by Capita on behalf of The Highland Council.



Introduction

Ro-ràdh

1.1 Background:

The proposed development has designed to provide facilities suitable for the operation and future development of canal infrastructure in the 21st century. The proposed new Bridge Control Tower will accommodate staff required to operate the current and proposed canal swing bridges across the Caledonian Canal. Comprising a control room with associated welfare facilities, Stair, Lift and Plant room.

The site is situated on the west bank of the Caledonian Canal, just south of the existing Tomnahurich swing bridge. The operation of the A86 which utilises the existing swing bridge will become an integral part in the development of the Bridge Control Tower as will the further development of Phase 2 of the West Link.

The proposal aims to provide facilities which will futureproof the operation of canal infrastructure in Inverness by generating a new building which will allow for continued public access along the canal whilst recognising the importance and setting a new building on the banks of the Caledonian Canal will provide.



Introduction

Ro-ràdh

1.2 Project Objectives:

The proposal forms part of the wider development of Phase 2 of the West Link.

The Highland Council previously in co-ordination with Capita have developed the proposal to consider the strategic and financial aspects to identify a preferred solution for the safe and efficient operation of the exiting and proposed bridges from a central control building on the Caledonian Canal.

The implementation of the project is expected to deliver the following benefits:

- Right sized office accommodation
- More efficient solution for swing bridge operation
- Sustainable solution for the future of Scottish Canals infrastructure
- Improved modern, flexible working environment
- Supports the Inner Moray Firth Local Development Plan
- Accessibility for staff and canal users



2.0 Design Team
2.0 Sgioba Dealbhaidh

Design Team

Sgioba Dealbhaidh

Project Manager

Highland Council
Development and Infrastructure

Jason Kelman

Design Lead

Highland Council
Development and Infrastructure

Adam Marshall

Civil & Structural Engineer

Fairhurst

David Muir

Mechanical & Electrical Engineer

Highland Council
Development and Infrastructure

Perry Johnson, David Watters

Quantity Surveyor

Highland Council
Development and Infrastructure

Joel Brooks

CDM Supervisor

Highland Council
Development and Infrastructure

Neil Shewan

Contractor

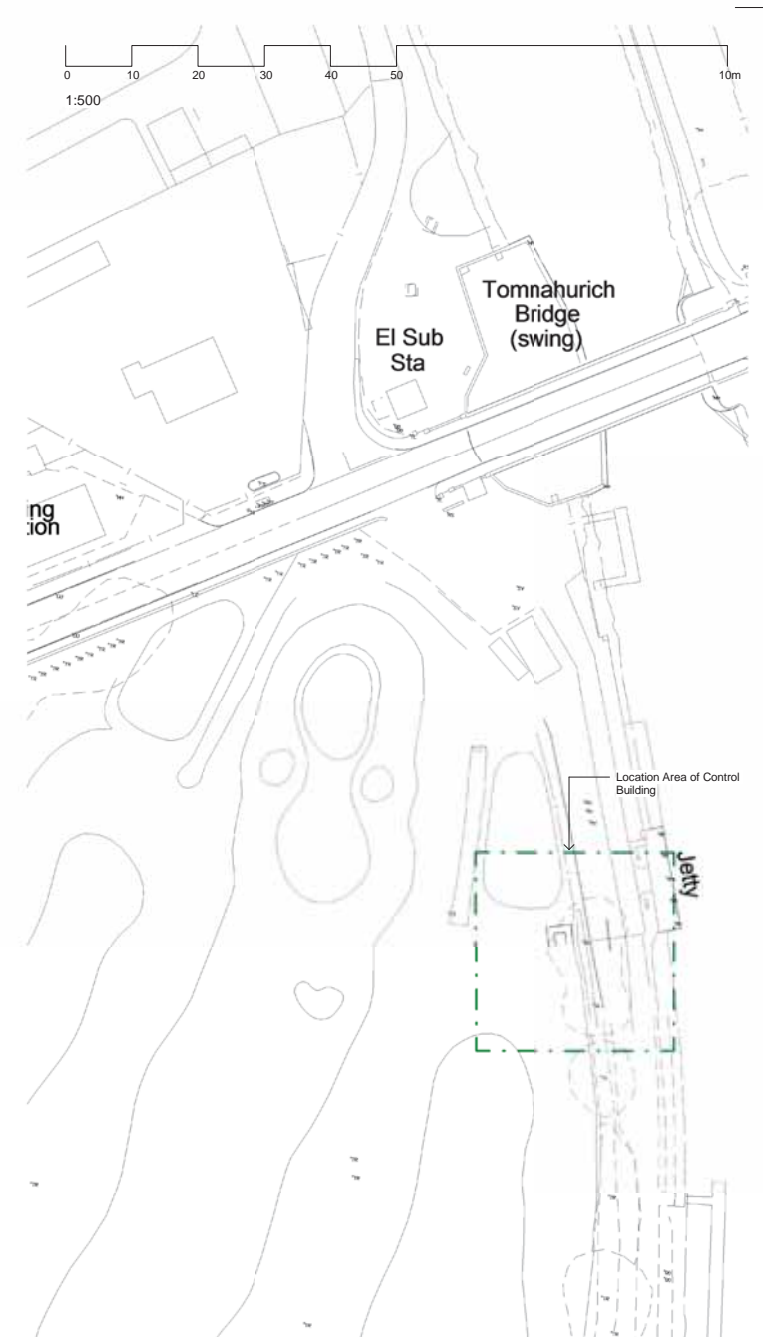
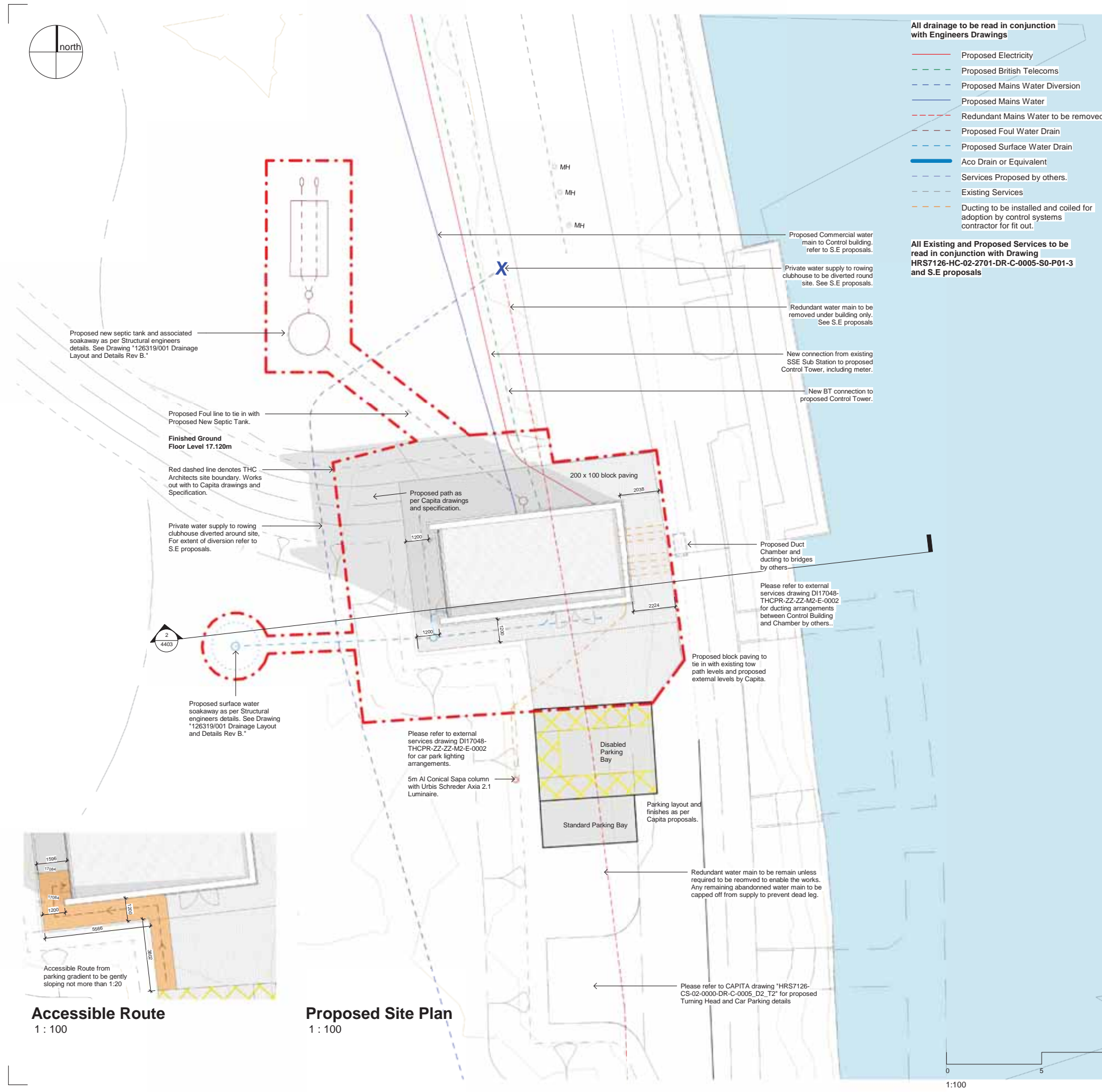
Compass Building & Construction Services
Site Manager

James Fowler



3.0 Proposals

3.0 Molaidhean



Location Plan
1 : 500

Rev.	Description	By	Date
1	Issue for tender		12/07/18
2	Issue for tender		12/07/18
3	Issue for tender		12/07/18
4	Issue for tender		12/07/18
5	Issue for tender		12/07/18
6	Issue for tender		12/07/18
7	Issue for tender		12/07/18
8	Issue for tender		12/07/18
9	Issue for tender		12/07/18
10	Issue for tender		12/07/18

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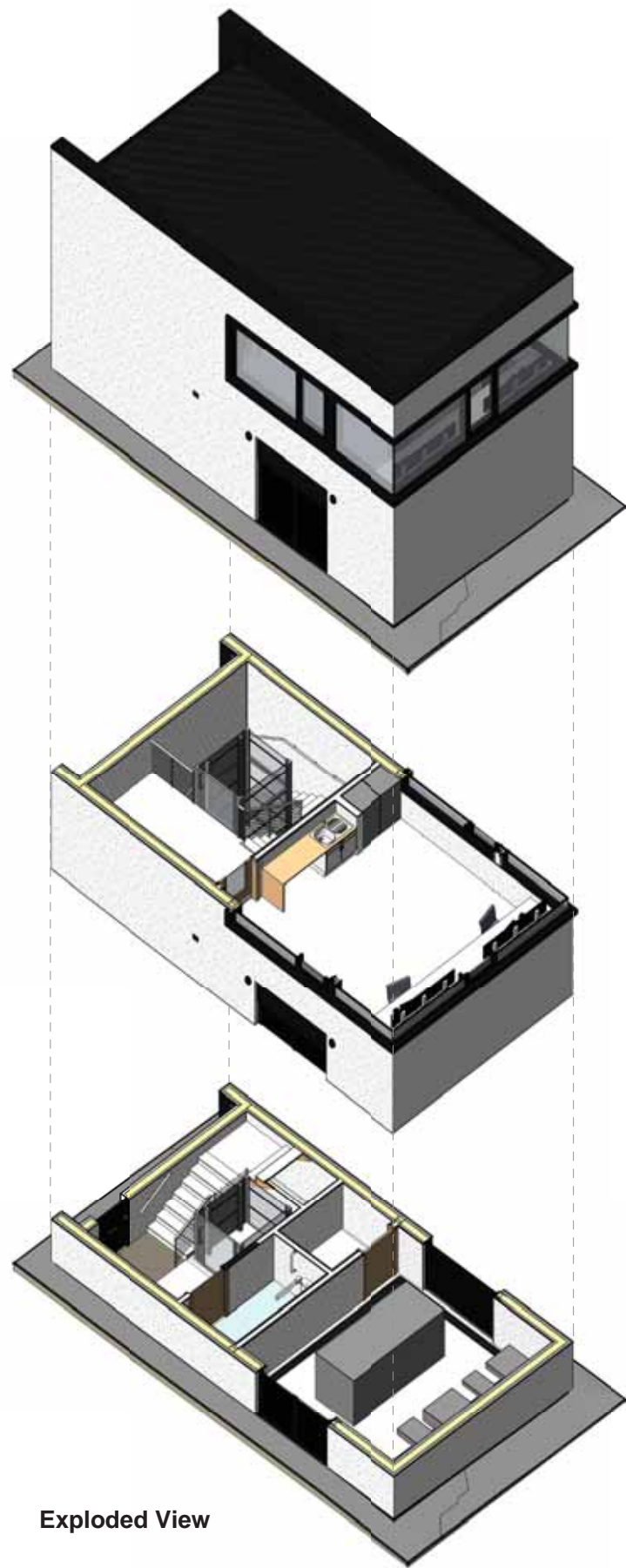


DEVELOPMENT AND INFRASTRUCTURE SERVICE

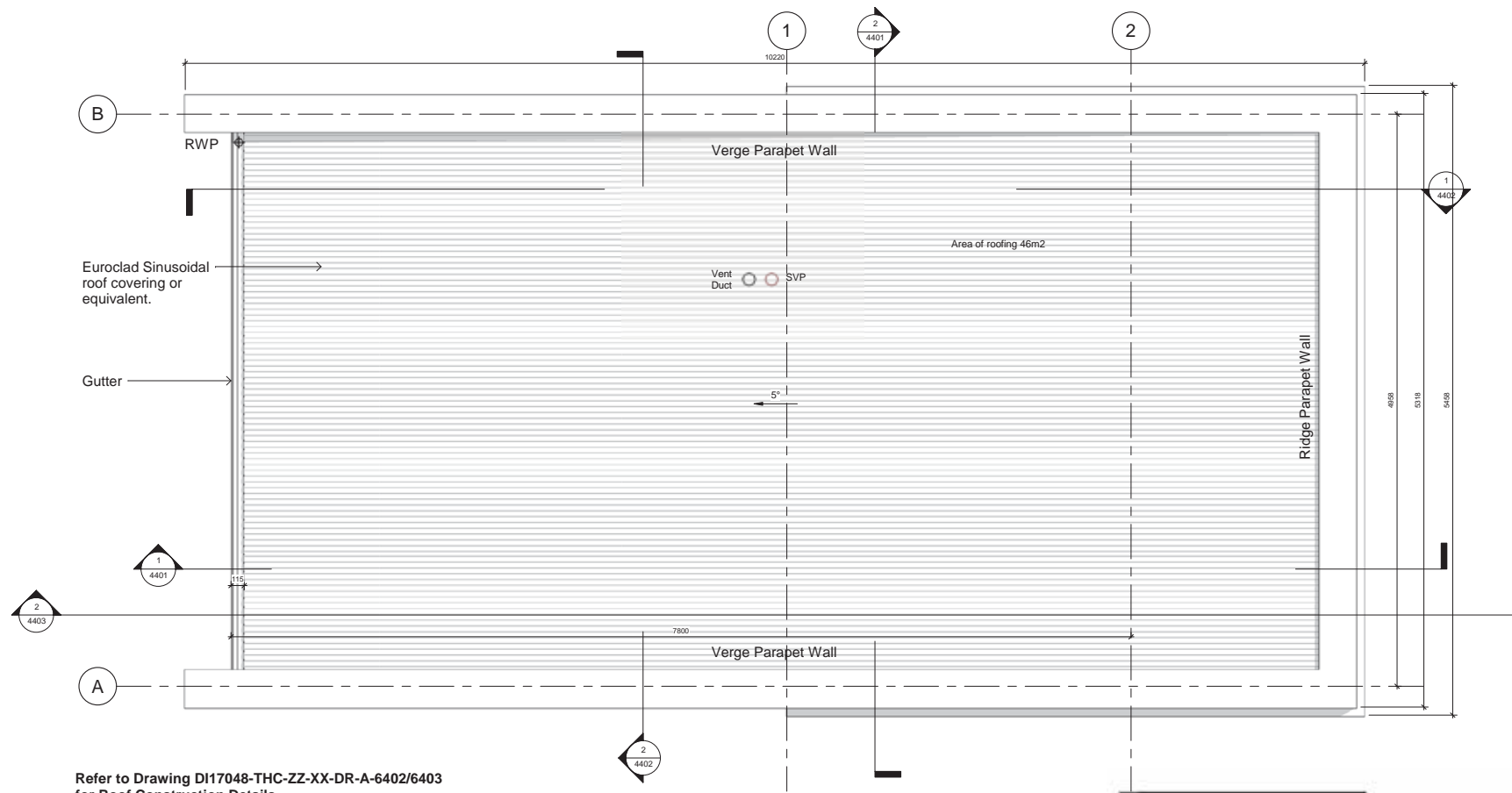
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PROJECT	D117048 - Bridge Control Tower	DATE	12/07/18
CONTACT	Adam Marshall	DRAWN BY	AM
DRAWING TITLE	Proposed Site Plan	CHECKED BY	TL
PURPOSE OF ISSUE	Construction	PAPER SIZE	A1

PROJECT NUMBER	ORIGINATOR	VOLUME OR SYSTEM	LEVELS AND LOCATIONS	TYPE	ROLE	CLASSIFICATION	NUMBER	REV
D117048	THC	ZZ	XX	DR	A	00-00-00	1401	N

3.1 Proposals - Site Plan



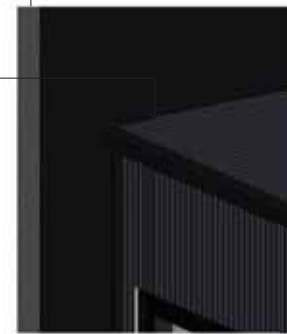
Exploded View



Refer to Drawing DI17048-THC-ZZ-XX-DR-A-6402/6403 for Roof Construction Details

Roof Plan - Proposed
1 : 25

Euroclad Sinusoidal roof covering or equivalent.



Example of Roof Finish



Tow Path View



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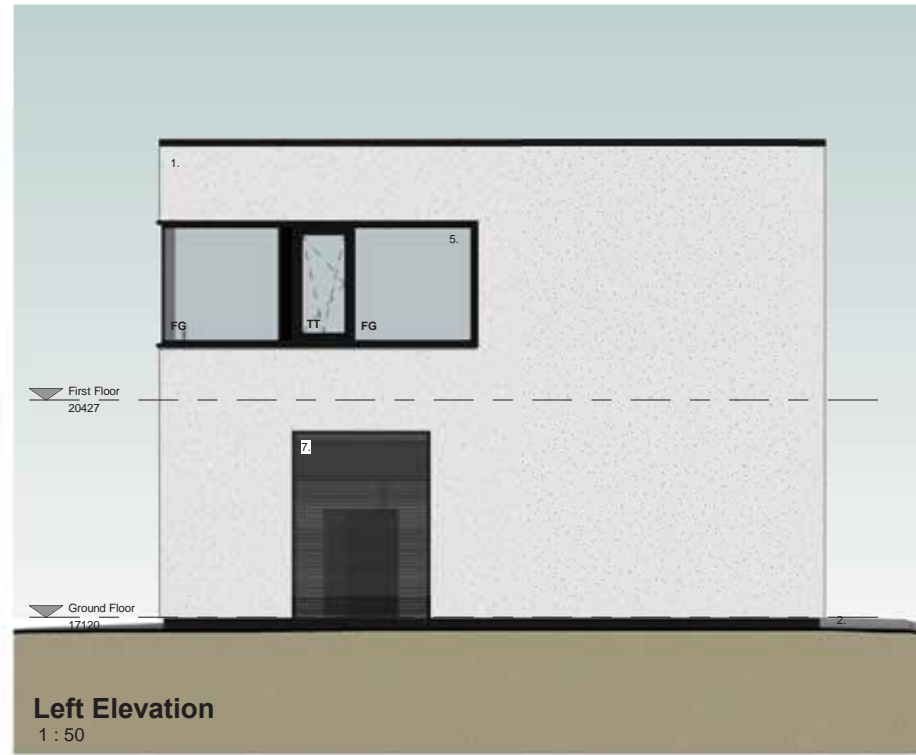
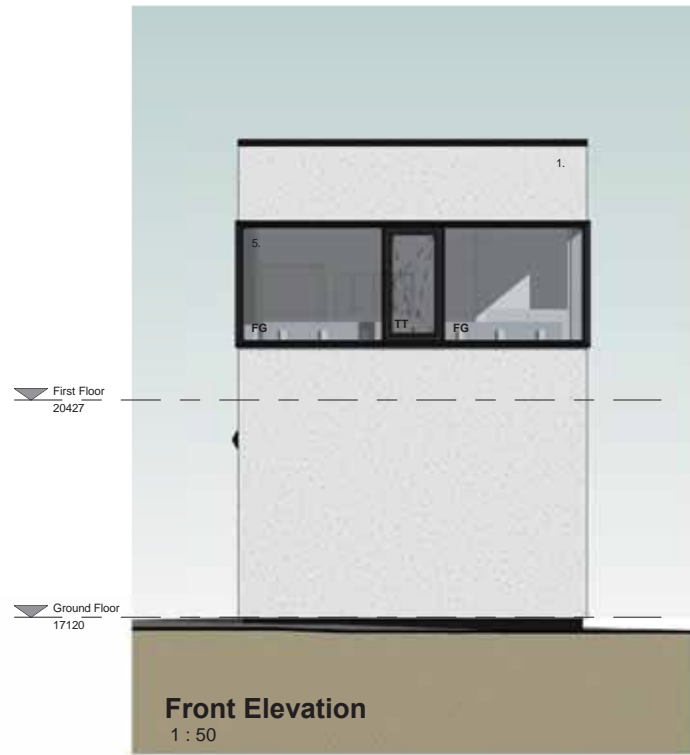
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PROJECT	DI17048 - Bridge Control Tower	DATE	12/07/18
CONTACT	Adam Marshall	DRAWN BY	AM
DRAWING TITLE	Proposed Roof Plan & 3D Views	CHECKED BY	TL
PURPOSE OF ISSUE	Construction	PAPER SIZE	A1

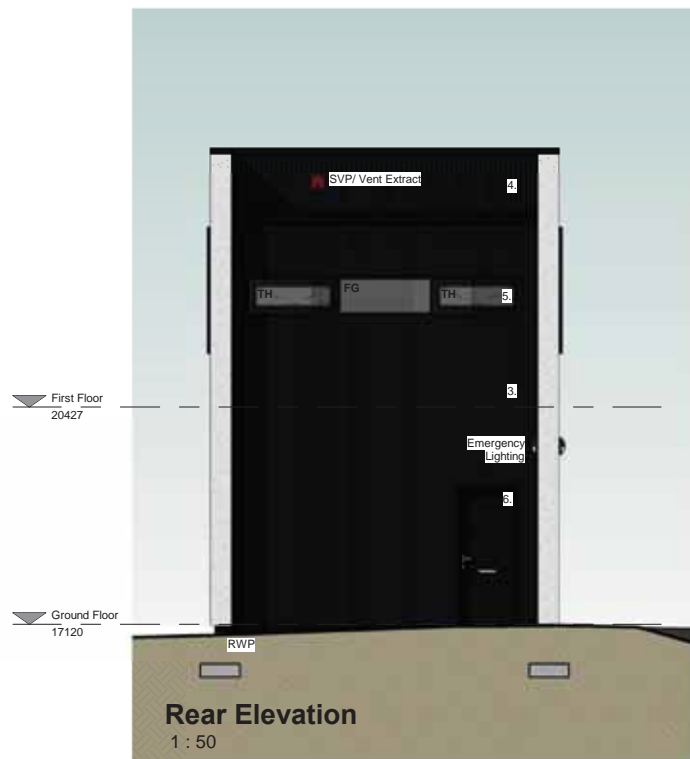
PROJECT NUMBER	ORIGINATOR	VOLUME OR SYSTEM	LEVELS AND LOCATIONS	TYPE	ROLE	CLASSIFICATION	NUMBER	REV
DI17048	THC	ZZ	XX	DR - A		00-00-00	2402	C



Elevation Key

1. K Rend Silicone Render TC15 or equivalent, colour to be White.
2. Rendered blockwork basecourse, colour to be Black.
3. Euroclad Sinusoidal or equivalent 5 degree pitch metal roof, RAL 9005 Black.
4. Euroclad Sinusoidal or equivalent wall covering, RAL 9005 Black.
5. SAS SF52 Curtain Walling system or equally approved, RAL 9005 Black Frames.
6. Flush Entrance Door, RAL 9005 Black.
7. Kingfisher Louvres to Plant Room or equivalent, Colour to be RAL 9005.
8. Kingfisher Louvred Plant Room Door or equivalent, Colour to be RAL 9005.

FG = Fixed Glazing
 TT = Tilt and Turn Window
 TH = Top Hung Window



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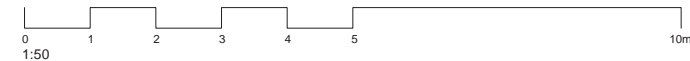
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CONTACT	Adam Marshall	DRAWN BY	AM
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DI17048	THC	ZZ	XX	DR	A	00-00-00	3401	P



4.0 Progress 4.0 Adharta Togail

Overview

Tar-shealladh

The works began on site Monday 29th April 2019 with a construction programme of 14 weeks. Compass Building and Construction Services have been appointed to undertake the works associated with the construction of the Bridge Control Building following the successful completion of the new Kings Course Clubhouse, formerly Torvean Golf Club. The external works, car parking and control systems fit out are to be undertaken by others following completion.

The works are due to be complete Monday 5th of August 2019.



Works to Date Obair gu ruige seo

Compass has undertaken groundworks and excavations to enable the foundations to be poured and underbuilding constructed. The adjacent rowing club water supply has been diverted and services to supply the building are being put in place. Steel is due to be erected on Monday 3rd of June 2019 with the Timber Frame out next week. Progress has been good thus far.



