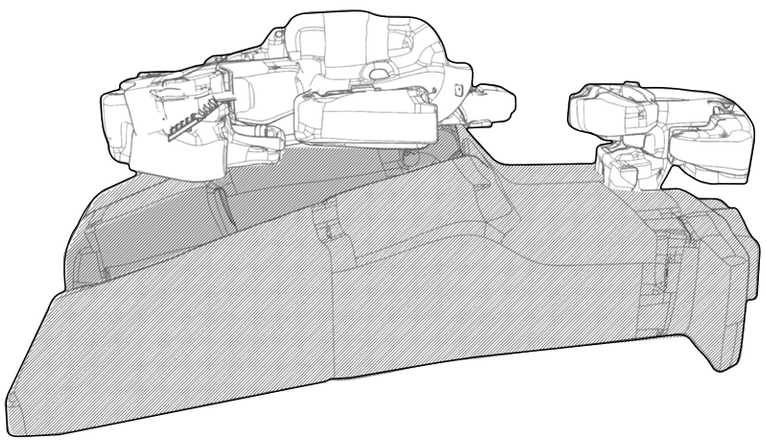


GRANT BEAUMONT

Architectural Designer and Fabricator

Los Angeles • London • Jersey

Beaumontg@googlemail.com
+1 (213) 521 0265

Portfolio Contents

Thesis writing, video content and more work can be found at www.purlin.work

1 Professional and Fabrication

London and Los Angeles ►

Transport and Infrastructure

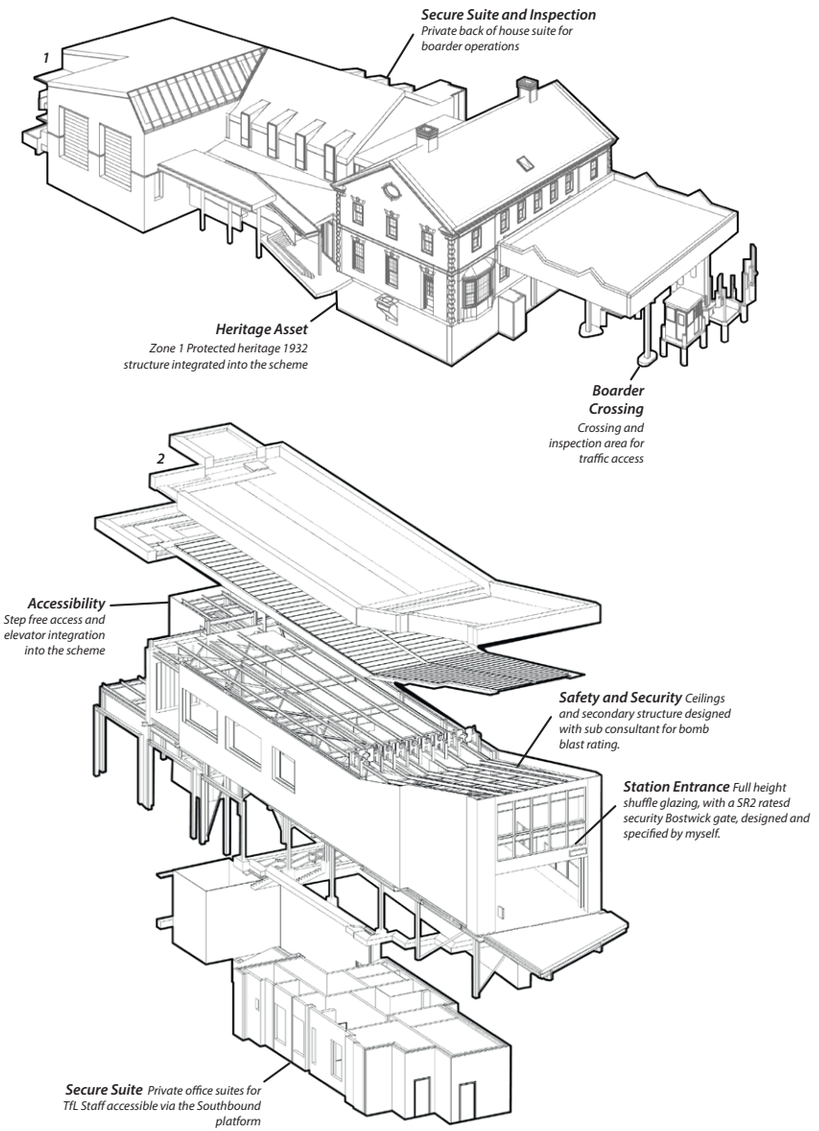
1.0 Rail and Federal ►

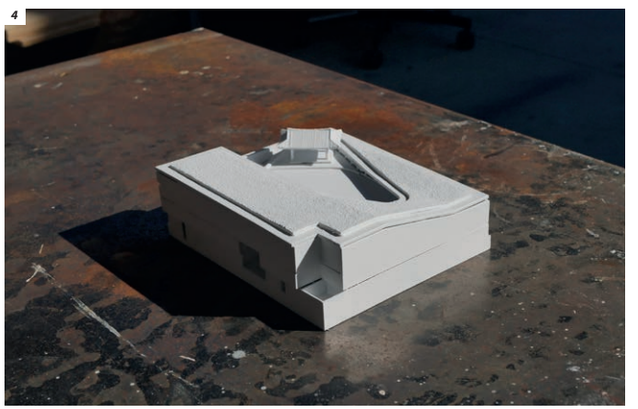
Working with TfL in the UK and the Federal Government in the US, I have gained extensive experience in transport, infrastructure, and federal projects. These included adherence to stringent rail sector regulations, HVM standards, crowd loading, and anti-terror design requirements.

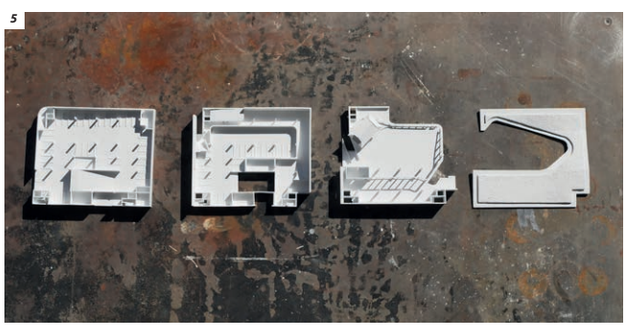
In addition to regulatory compliance, I contributed to public realm design, creating station furniture, and provided on-site support to ensure successful project delivery. These roles required balancing technical precision with functionality, delivering spaces that meet both operational and public needs.

Calais Boarder Crossing (Top) ►
Axonometric line drawing of the Calais Ferry Point Border Crossing building, Maine, USA showing the overall scheme. The design focuses on functionality and flow, meeting strict U.S. federal standards. The project is also integrated with a 1932 heritage building, designated Zone 1 protected, preserving its historical value while adapting to the modern needs of the border crossing.

Leyton Station (Bottom) ►
Exploded axonometric line drawing of Leyton Station, highlighting enhancements for increased capacity and step-free access from street to platform. The design showcases the developments spatial hierarchy and accessibility features achieved under strict anti-terror standards.







▲ ***Federal Project, Los Angeles, 2024***
Nylon-printed and airbrushed model of a government scheme in Los Angeles, showcasing both the assembled design and its four distinct layers. Each layer reveals a thoughtful integration of parking, public spaces, and private zones, reflecting careful planning and precision in the project's spatial organization

Large Scale

1.1 Morphosis ►

As part of the fabrication team at Morphosis, I contributed to central elements of mega project design and model fabrication in Saudi Arabia. We developed a 1:18 scale model of the commercial spaces, using nylon 3D printing to produce precise and durable components for design development.

This scheme is a 170-kilometer linear city focused on sustainability and carbon neutrality, stacking residential, commercial, and public spaces vertically. Our fabrication work supported the refinement of spatial layouts for the commercial elements, aligning them with the schemes vision for an innovative and future-proof urban ecosystem.

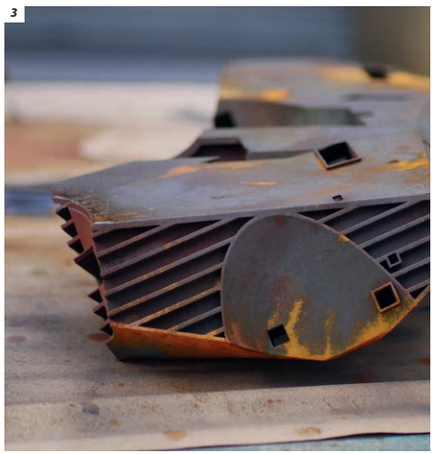
1

▲ ***Fished Fragment Development*** *A 1:18 scale model fragment for The Line being finished with various airbrushed coatings, including a rust effect, for client presentation.*

2

▲ ***Unfinished Fragment Development*** *A model fragment for The Line in its unfinished state, 3D printed in nylon and joined with epoxy.*

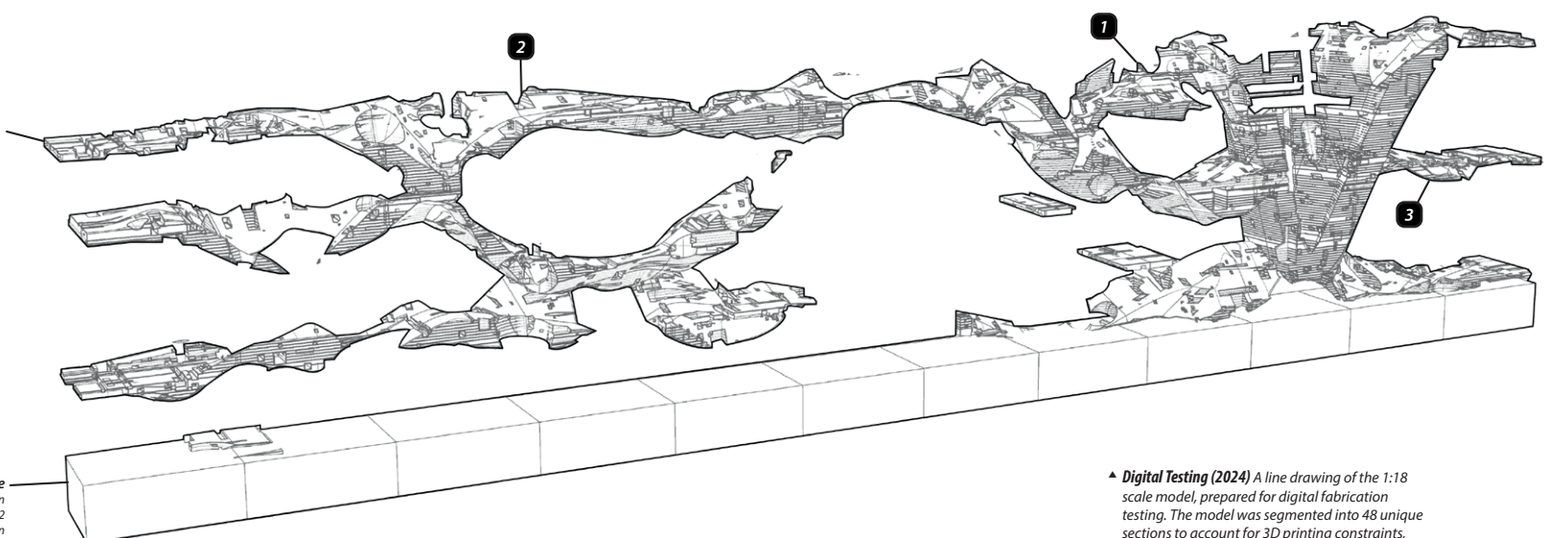
3



▲ ***Fragment Development Coating*** *A model fragment in a semi-finished state, mid-process of being brushed with an iron coating.*

Architectural Fragments
Three strata of architectural programming at 1:18, providing space in the scheme for commercial development.

Fragments were printed to maximise bed space on the nylon SLS Printer, joined manually with epoxy adhesive, filled and airbrushed with iron oxide to provide a rusted finish.



Model Base
Weighted base, 12ft in length, separated in 12 pieces for transportation and shipping

▲ ***Digital Testing (2024)*** *A line drawing of the 1:18 scale model, prepared for digital fabrication testing. The model was segmented into 48 unique sections to account for 3D printing constraints, allowing precise alignment and efficient assembly during the finishing and joining process.*

Institutional Projects

1.2 Morphosis ►

With extensive experience on numerous institutional projects, my work includes development fabrication of a chapel model for Thom Mayne's Stray Dog Cafe, where I used 3D modeling to explore the spatial layout and its relationship to the rocky site, fostering a tranquil atmosphere. Additionally, I contributed to the University of Texas Athenaeum, where I refined key spatial elements and acoustics through detailed 3D representations.

1

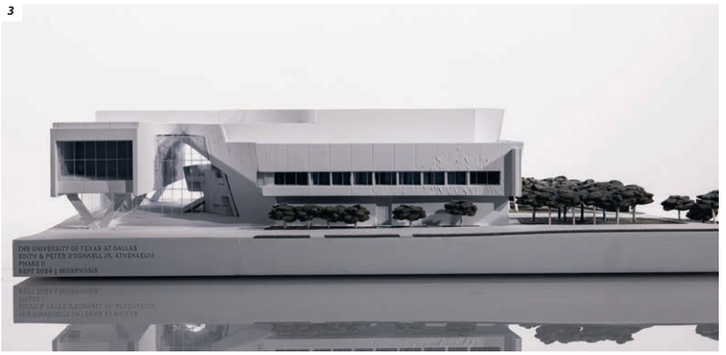
▲ ***University of Texas Athenaeum***
Exploratory model of a ceiling design for the lobby of the Athenaeum, investigating spatial and material relationships within the architectural context.

1

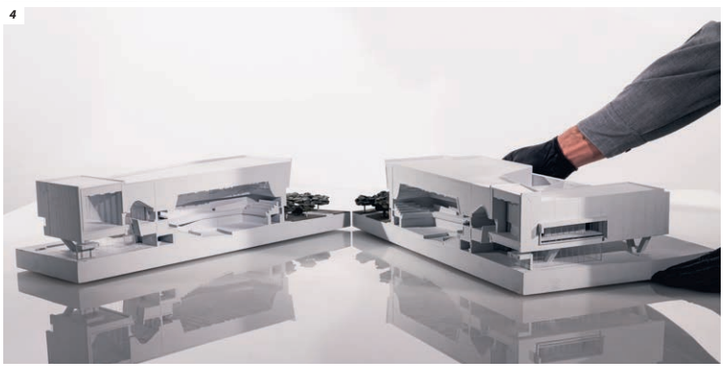
2

▲ ***Chapel [Stray Dog Cafe]*** *Sectional model of a chapel with a reflection pool for Stray Dog Cafe investigating the integration with the site, situated within a rocky alcove. The model emphasizes the relationship between the chapel's serene space and surrounding environment, with careful attention to materiality, light, and reflective surfaces. Developed for Thom Mayne's personal practice.*

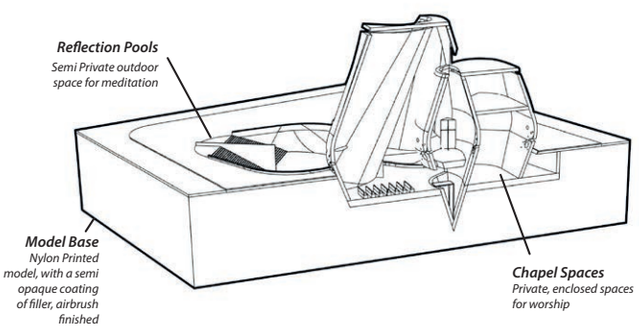
3

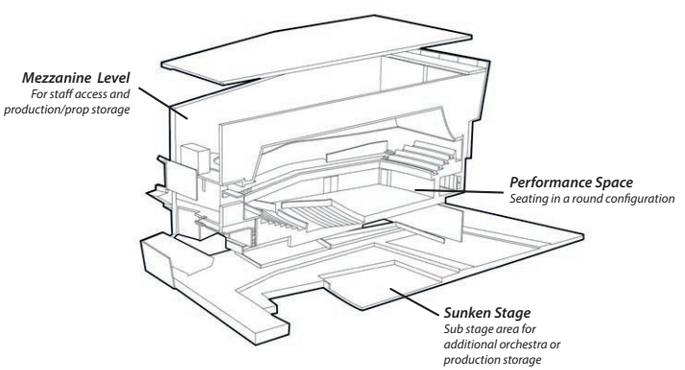


4



▲ ***University of Texas Athenaeum*** *Nylon-printed, airbrushed sectional model of the University of Texas Athenaeum music building highlights the spatial design and acoustic solutions developed during the modeling process. The model illustrates how the building integrates public, rehearsal, and performance spaces within the new campus cultural district, optimizing both functionality and sound quality*

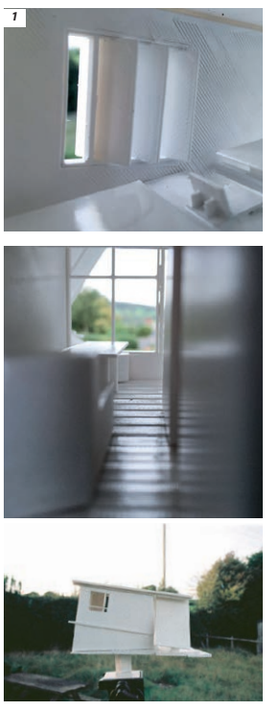




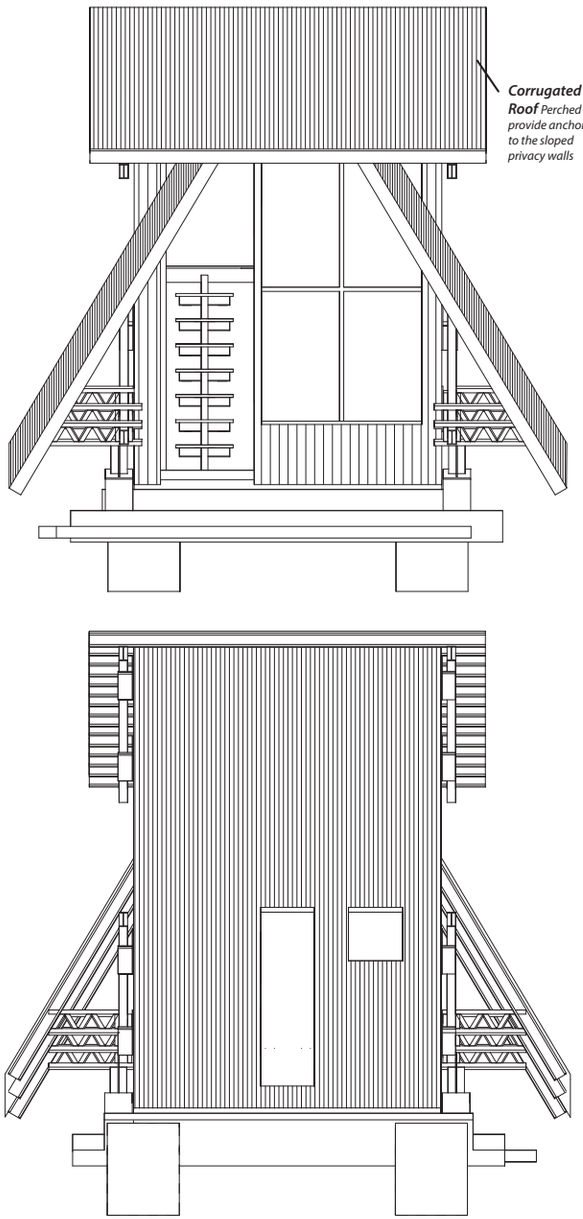
Shy House

1.3 Personal Practice ►

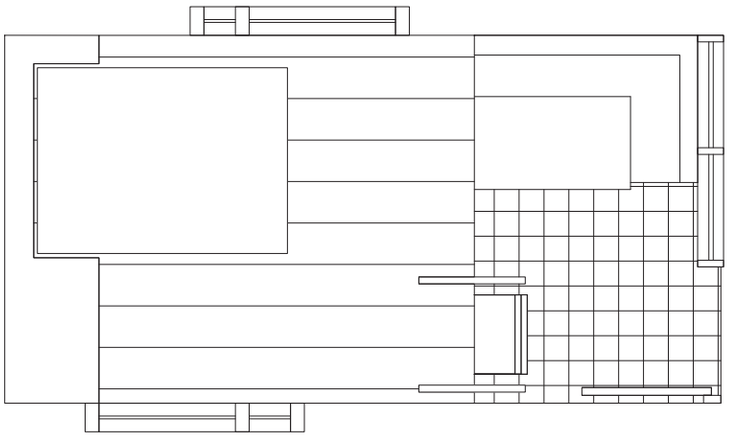
A small hillside home overlooking the Exeter Valley. Its single living volume opens to a platform for dining and viewing. Shy to nearby houses, its visors filter views, projecting outward to the valley and inward for privacy. The west window slips almost entirely behind its visor, concealing the house's nightly glow. A personal and professional collaboration with my friend Seb Fathi from the Bartlett.



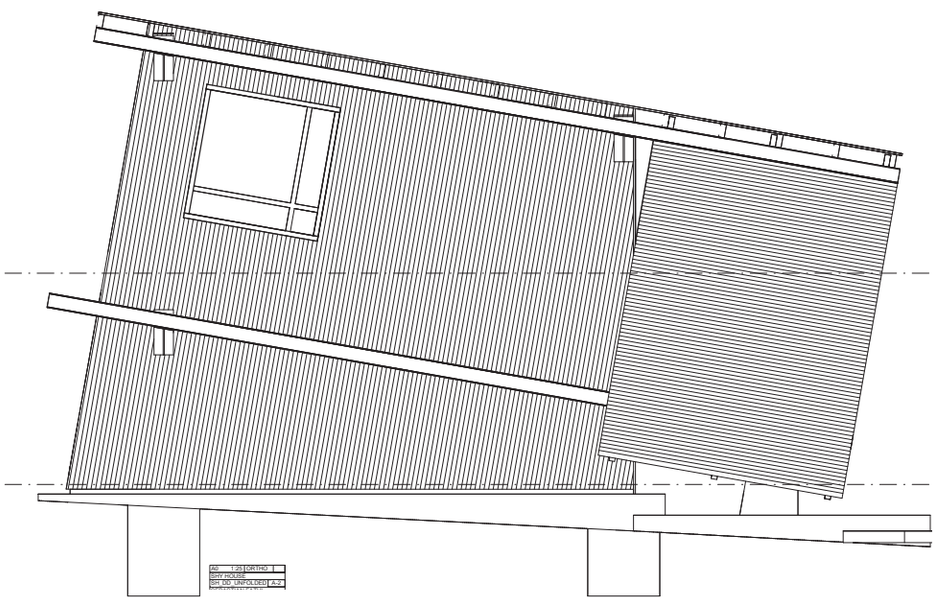
▲ ***In Situ Model Testing*** *A series of FDM-printed study models explored the relationship between the main volume, the visors, and the terrain. Each iteration was photographed and tested directly on site in Devon to understand scale, siting, and light conditions across the valley.*



▲ ***Shy House Elevations*** *Sloping corrugated roof acts as both shield and camouflage, allowing the house to retreat quietly into its setting.*



Shy House Plan *Initial internal configuration, creating four subdivided living spaces, open plan, with lofted sleeping area and workstation*



Shy House

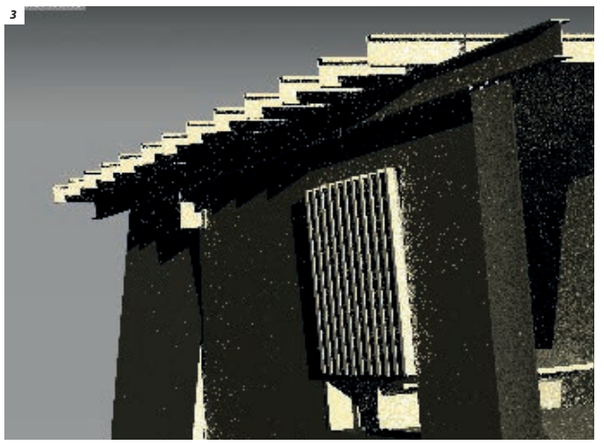
1.4 Ongoing Build ►

The project has now moved from study to reality, with the primary timber frame fully erected on site. The structure captures the geometry first tested through the printed models, framing views across the Exeter Valley while shielding the home from neighbouring sightlines. The next stages focus on cladding, visor detailing, and integration of the outdoor platform. Seeing the framework take shape on the hillside gives new clarity to the spatial relationships first imagined in model form.

1

2

3



4

5

6

▲ ***Ongoing Site Development*** *Concrete foundation and Steel frame constructed, recently clad with OBD to provided a base finish for insulation and external steel cladding.*

2 Academic Studies

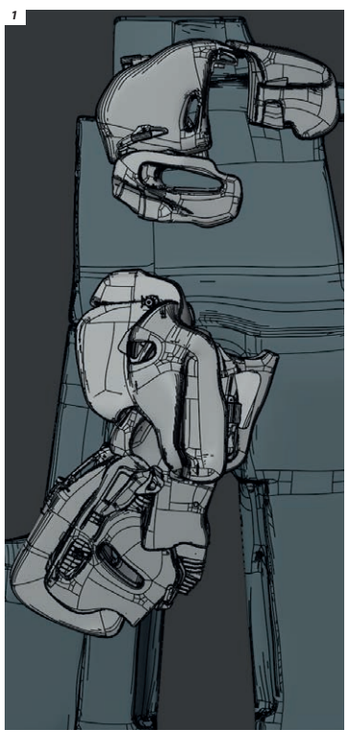
UCL Bartlett ▸

Portland Ecology Centre

2.0 GA Digital Studies ▸

As the focus of my M.Arch study, a falconry lodge and ecology center are located between the Lost Valley and the sea on Portland's east coast in the United Kingdom, a region known for frequent landslips. The building rests on shifting Portland stone, requiring it to adapt to the constant movement of the landscape. Even when not in operation, the structure undergoes regular adjustments to maintain its position within this dynamic environment.

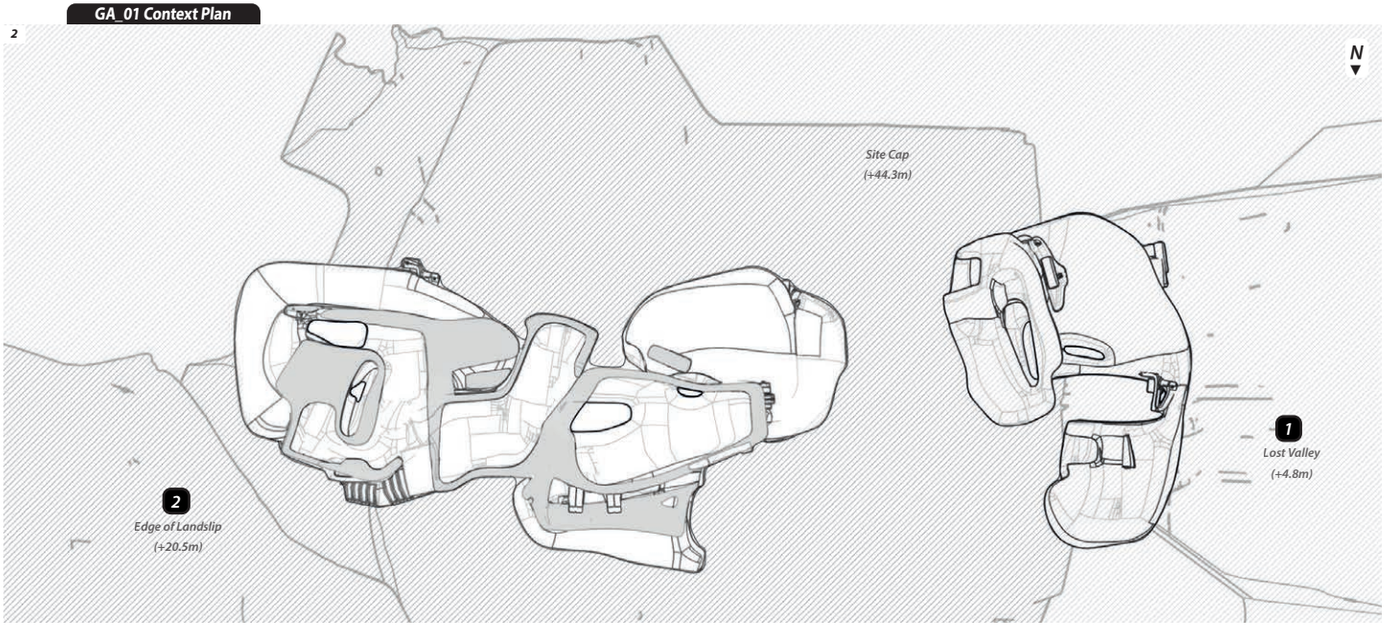
1



▲ *Aerial render of the falconry lodge and ecology center, showcasing its adaptive design as it navigates the dynamic terrain of the Lost Valley on Portland's east coast.*

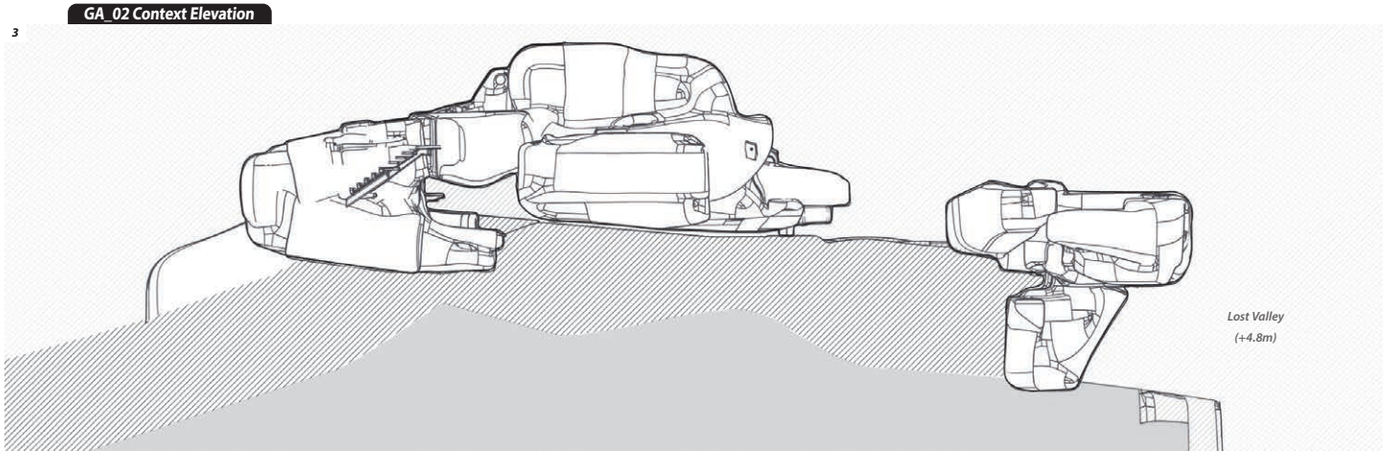
GA_01 Context Plan

2



GA_02 Context Elevation

3



1 ***The Lost Valley***
A 12m valley running along the rear of the site, separating the shifting landslip from the active quarry. This part of the site is largely inaccessible, but can be reached on foot from the corner of the site.

2 ***The Gradual Landslip***
The main landmass that the lodge is located atop, and anchored onto. This section of Portland stone is gradually slipping Eastwards towards the sea edge, at an incremental rate. Sudden and unexpected landslips are however possible at this location.

0 4 8 12 16 20 M

1:200 at A3 Print

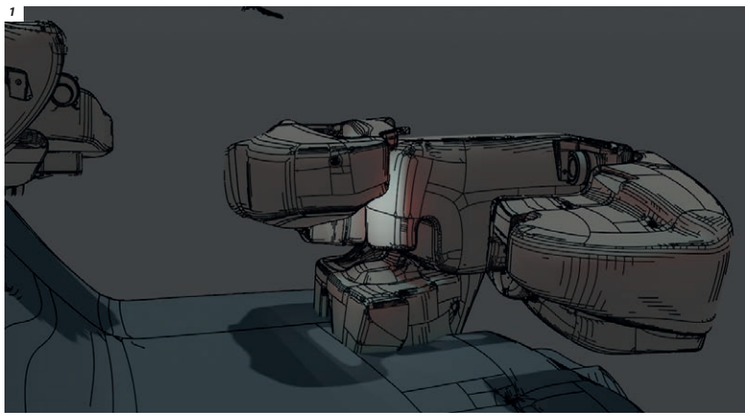
Portland Ecology Centre

2.1 Envelope Studies ▸

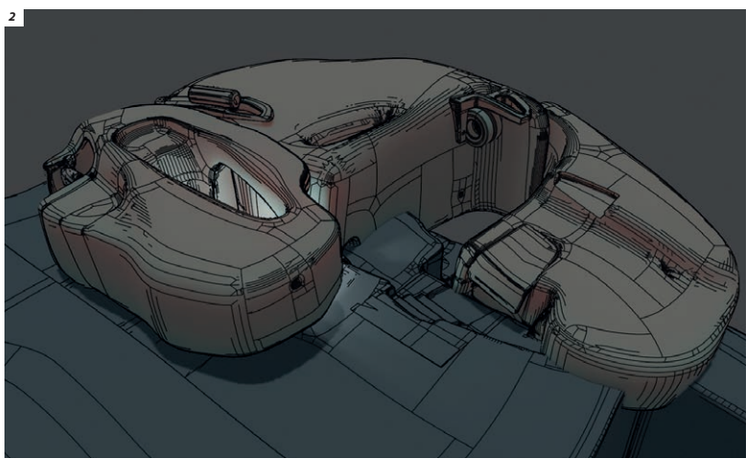
The Isle of Portland Falconers Lodge is a narrative exploration of architecture's ability to adapt to its environment. Positioned on the shifting east coast of Portland, the lodge tells the story of a falconer and her bird, working together to manage invasive species like rabbits—creatures tied to local superstitions of bad luck. By dynamically adjusting its position on the landscape, the building performs specific ecological tasks, creating new spaces and conditions that foster opportunities for discovery and a deeper connection between the built and natural worlds.

See video 003 at Purlin.work

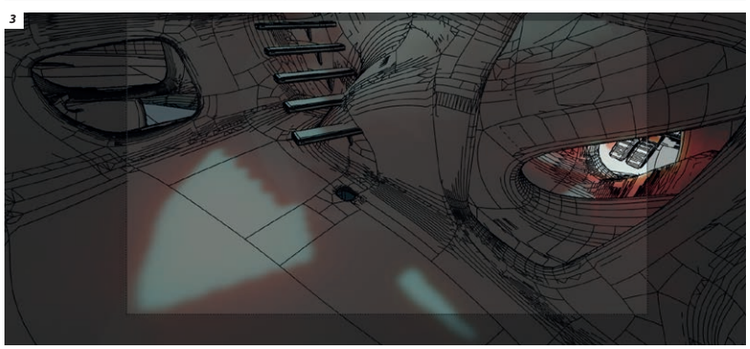
1



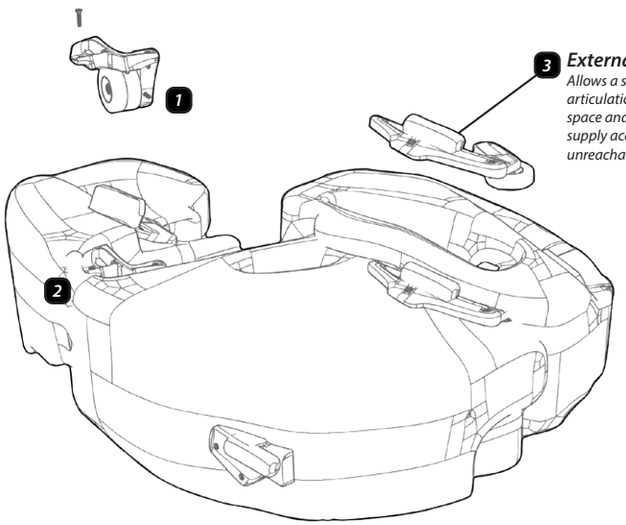
2



3



▲ ***The Lost Valley Living Quarters*** *Spaces are designed to lock together during building movement, modeled in Rhino SubD and animated, simulated, and rendered in Blender.*

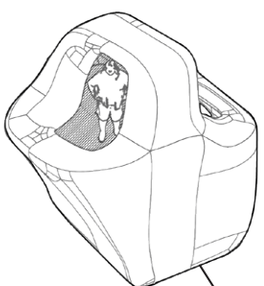


Key Model

Lower Space
Pf600 PU Milling Foam

1 ***Landing Gear***
Points of contact with the site during operation

2 ***Apertures***
Openings in the passage downstairs reveal close access to the cliff surface.



4 ***F5 Lower Living***
A fully private, and largely insulated envelope, for sleeping.

▲ ***The Lost Valley Living Quarters*** *Habitat 1 is largely rigid but allows slight articulation in its upper levels, enabling the boom to counterbalance the edge-dwelling structure. As shown in Image 1, removing the cliff reveals the spatial arrangement, with the lower levels anchored into a divot in the upper structure for accessible connections.*

Dynamic Model Base

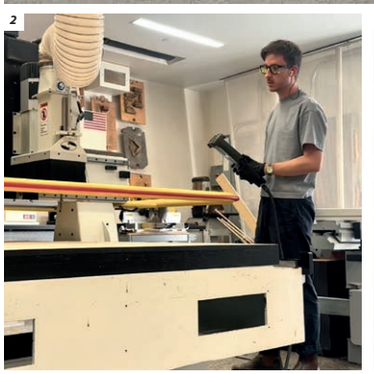
2.3 Design for Fabrication ▸

With the complex topography scanned and test milled, a base was designed to articulate, simulating multiple conditions for architectural response to the Isle of Portland's shifting terrain and frequent landslips. Six components were designed, modeled, and milled from reclaimed glue-laminated pine, fitting together with M6 fixings for various testing configurations.

To simplify milling, some pieces were split vertically, allowing both sides to be milled simultaneously before reassembly. The pine stock was secured to the Piranha PJCM CNC via a vacuum bed, leaving an onion skin for stability. After milling, pieces were cut with a bandsaw and routed to ensure consistent edges, ready for the foam topography to be mounted.

1

2



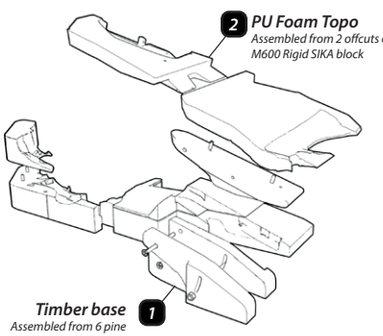
3

4

▲ ***Fabrication Stages*** *Development of the Site model in three stages, CNC milled on a 2 Axis Piranha PJCM*

◂ ***Adjustable site model***
An amalgamation of previous research, a dynamic site model was created alongside the architectural model fragments, enabling real-time testing and modification during the design process.

The model measured approximately 700mm x 300mm, with a base constructed from reclaimed, glue-laminated milled pine and a surface made of Sikablock M600 rigid foam.



Architectural Fragments

2.4 Design for Fabrication ▸

The project explored how the limitations and shortcomings of digital fabrication could become valuable design tools. By machining lodge fragments from two sides, elements like tabs and clamps evolved into integral structural components, directly linking the modeling process to the architecture.

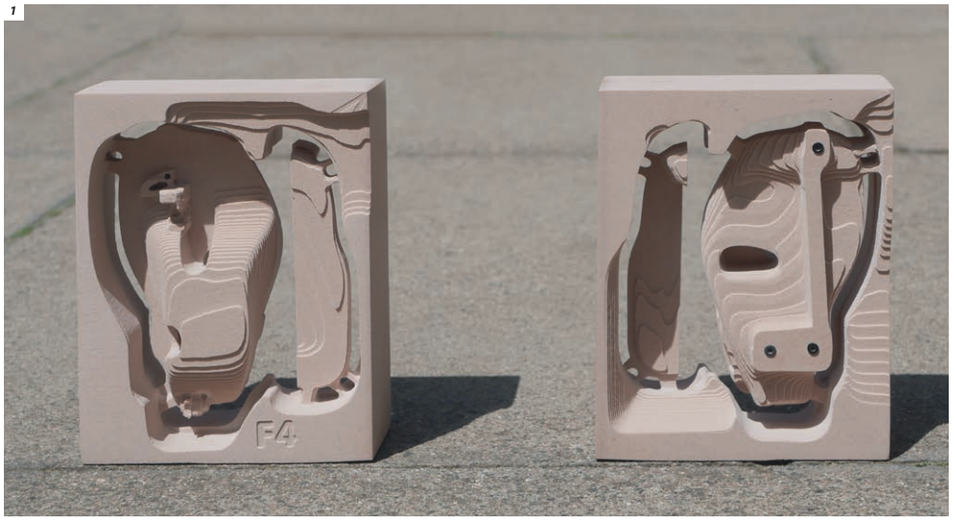
The tooling process created a digital shadow within the structure—areas that couldn't be tooled and remained architecturally undeveloped. These gaps provided opportunities for the project to shift between model and architectural scales, fostering a dynamic relationship between design and fabrication.

Thesis Study

A postgraduate written thesis, The Potential of Failure, explored the role of failure in shaping the built environment, suggesting that its omission may threaten the future of architectural practice.

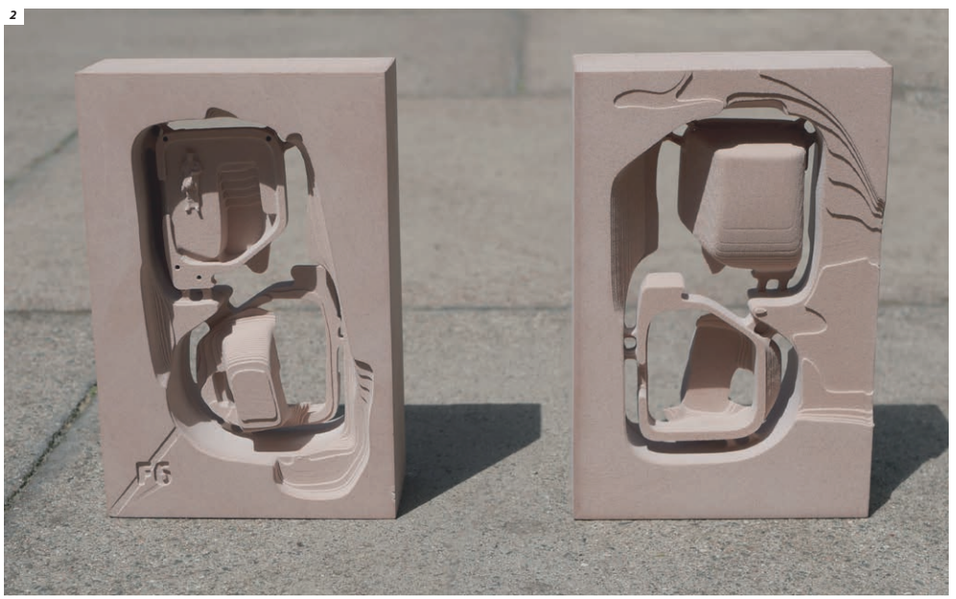
Excerpts are available upon request.

1

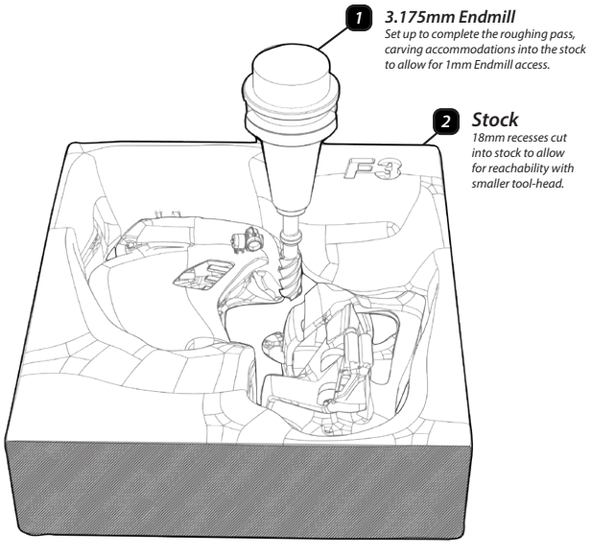


▲ ***The Drying Space (F4)*** *The First milled space in the building, used to dry out the quarry that the falcon catches. 130mm x 90mm, milled into reclaimed PU600 model board over three tool passes, finished with a 1.5mm ballnose smoothing path.*

2

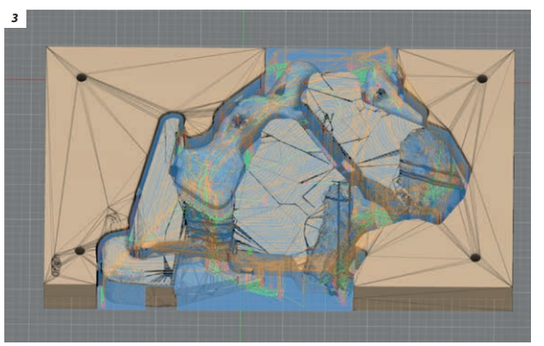


▲ ***The Lower Living Space (F6)*** *As seen rendered on the previous page, this space is milled into two components that assemble post production. 170mm x 90mm, milled into reclaimed PU600 model board over two tool passes, finished with a 0.5mm Endmill path.*



▲ ***Augmented Stock***
The stock for the final milled pieces, made from reclaimed high-density PU foam, was partially milled to allow tool access. Smaller tools required for detailed resolution could only reach areas free from sheer edges. Consequently, the work piece developed an overburden, extending its influence beyond its boundaries to enable its physical creation.

3

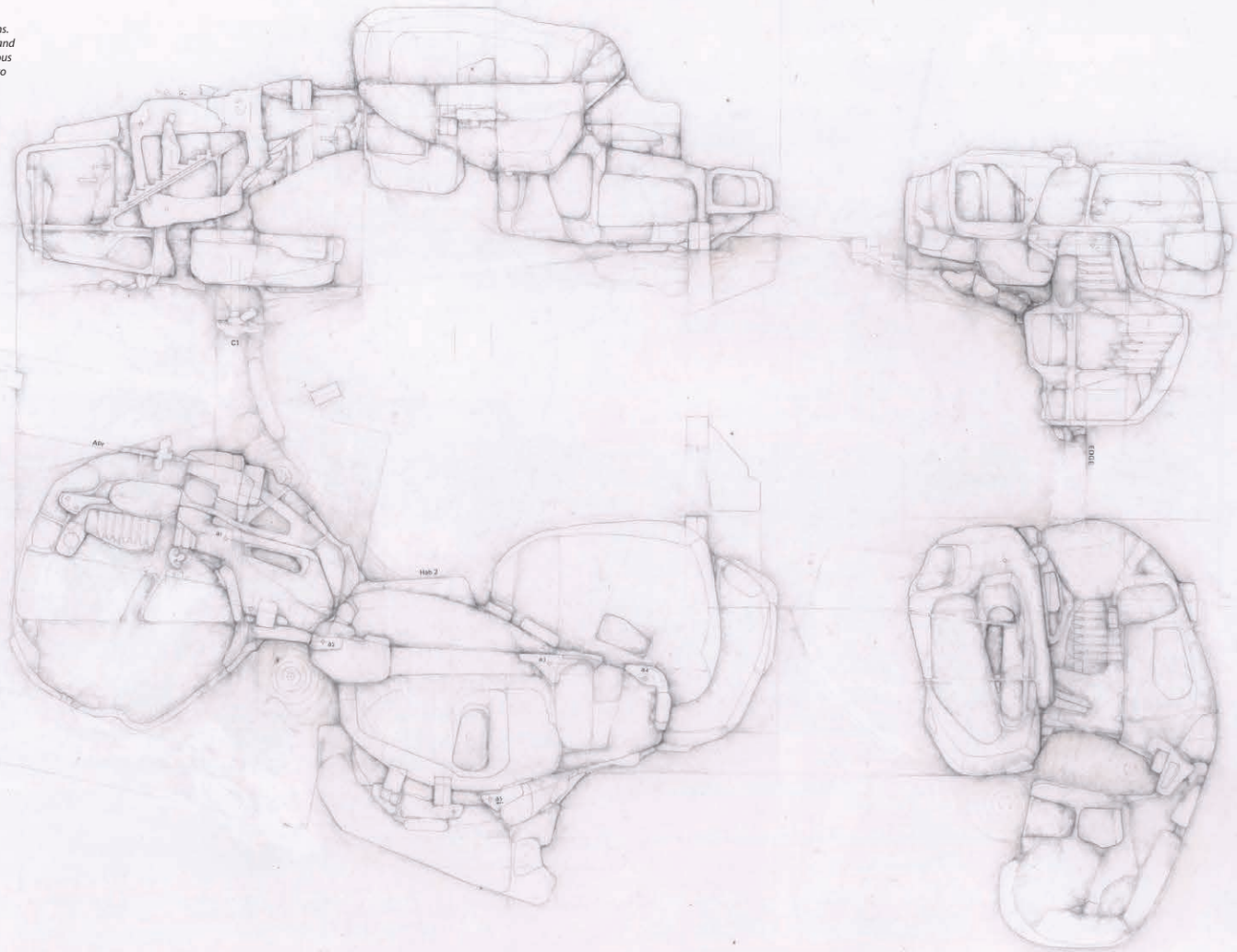


▲ ***Fusion Toolpath***
An efficient toolpath was developed for milling the terrain using a full-size Piranha PJCM 3-Axis CNC. The stock was initially augmented for five anchor points but ultimately secured with a vacuum bed aligned by four pins mounted to the spoil board. Throughout the project, I refined my toolpath design skills, achieving a critical balance between resolution and cutting time.

2.5 Graphite Anatomical Studies

A 1100 x 1500 hand drawing exploring the building's GAs through an anatomized, dissected lens. The top-down approach, familiar to the falcon, calibrates with the models through bolt-on details like air supplies and buffer wheels.

The plan and section are hybrid elevations. Key external features, such as staircases and wheels, remain visible, while homogeneous areas of the building's skin are unfolded to reveal the underlying context.



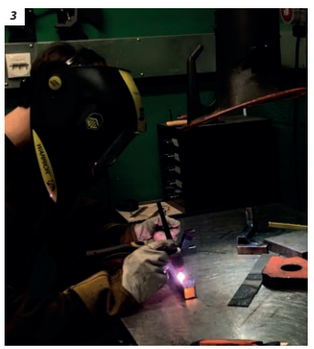
Designing an Accomplice

2.6 Making tools ►

This project began as a device to measure and scale a site on the Isle of Portland but quickly evolved into a companion and architectural chassis.

After several prototypes, a 2mm steel chassis was machined with curvatures to support shell-like tissue for on-site use. As needs arose, the jig was adapted with tendons and soft tissue, allowing it to adjust and position itself for site-specific tasks.

3

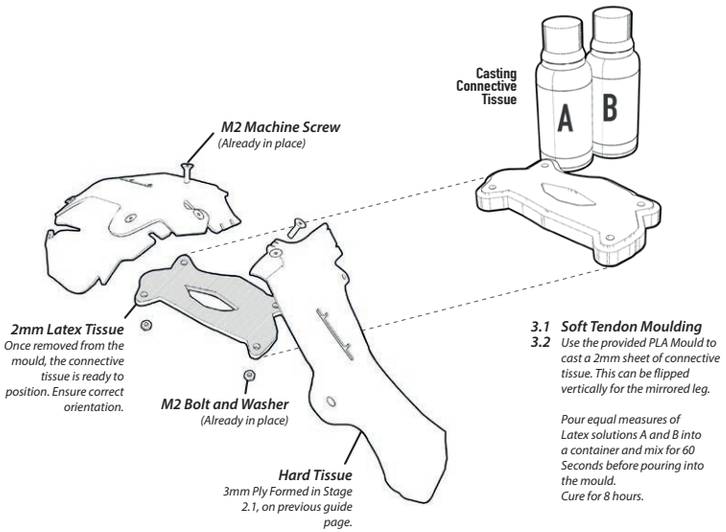


4

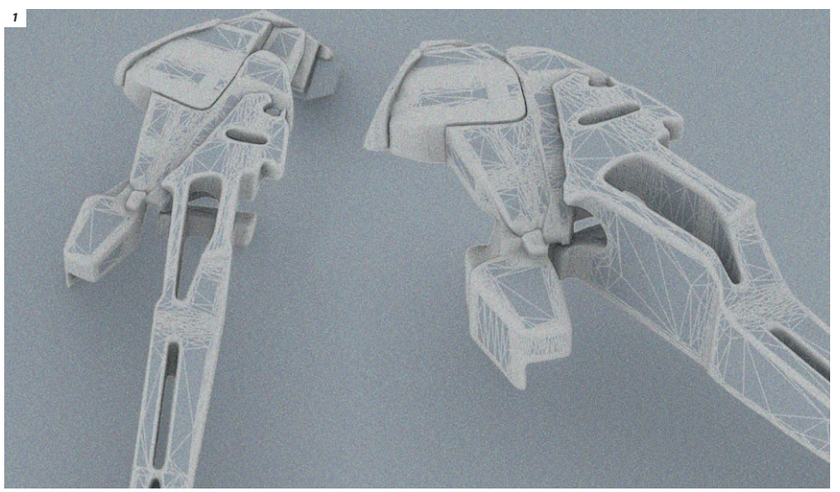
1

2

▲ ***Welded Chassis, and Laser Cut shells*** *Initially designed as a ruler to latch onto rock surfaces, the chassis evolved during site exploration. Adjustable laser-cut cork pieces were developed to wrap around the welded steel frame, exploring how an architecture might adapt and latch onto its habitat.*



1



▲ ***Simulating Movement*** *Testing the tool's movement in Rhino and Blender to prevent clashes during fabrication.*

Tangents and Attachments

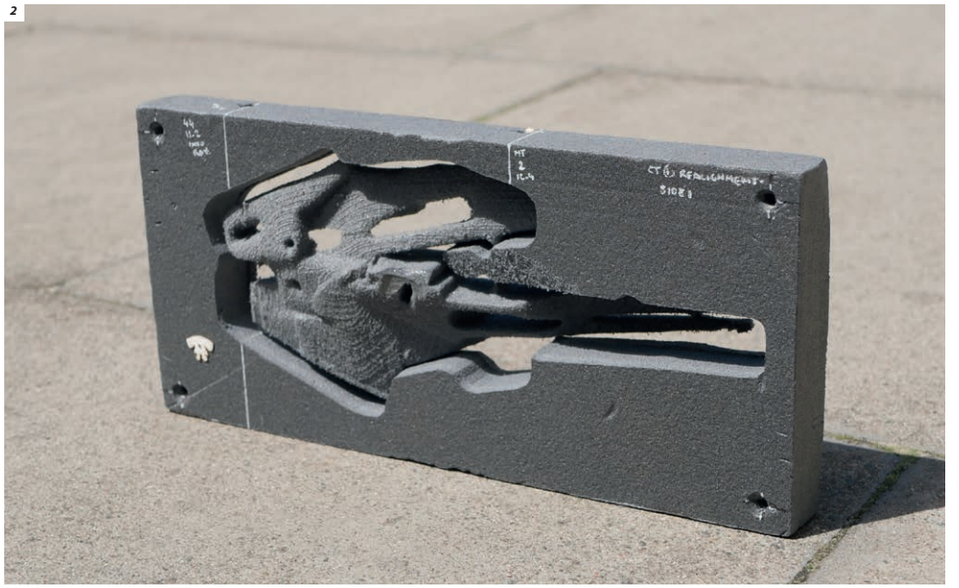
2.7 Finding a fit ►

Off the back of four years of careful CNC milling of architectural elements, the notion of architecture 'finding its fit' became incredibly important in my work. As such, numerous studies have been undertaken over the course of the research to explore how architecture may latch onto its surroundings.

1

▲ ***A Drill Jacket*** *Augmenting a slightly broken drill to become operational again by wearing a jacket that forced the hand into the correct position. Hand cut cardstock during lockdown, with no access to a workshop.*

2



▲ ***Freezing Movement*** *Making use of the previous dynamic armature, I undertook a side task to explore how its movement could be frozen an a comfortable position, to test the limitations of at home 3 Axis CNC milling. Here, the workpiece only stayed together when retained in its stock, leading to a year of research into using CNC limitations as a design tool, and retaining stock as part of the architecture.*

3

▲ ***Dynamic Modelling*** *Making use of dynamic milled components to move the terrain around an architectural model, rather than fitting the model to the terrain.*

4

▲ ***Custom Wing Nut*** *Delving deeper into the thesis of CNC limitations, and their potential as a design tool, this character was designed to act as a foundation piece for the architecture, whilst also providing a function as a bed clamp at the model scale, moving between these worlds.*

3 Technical Drawings

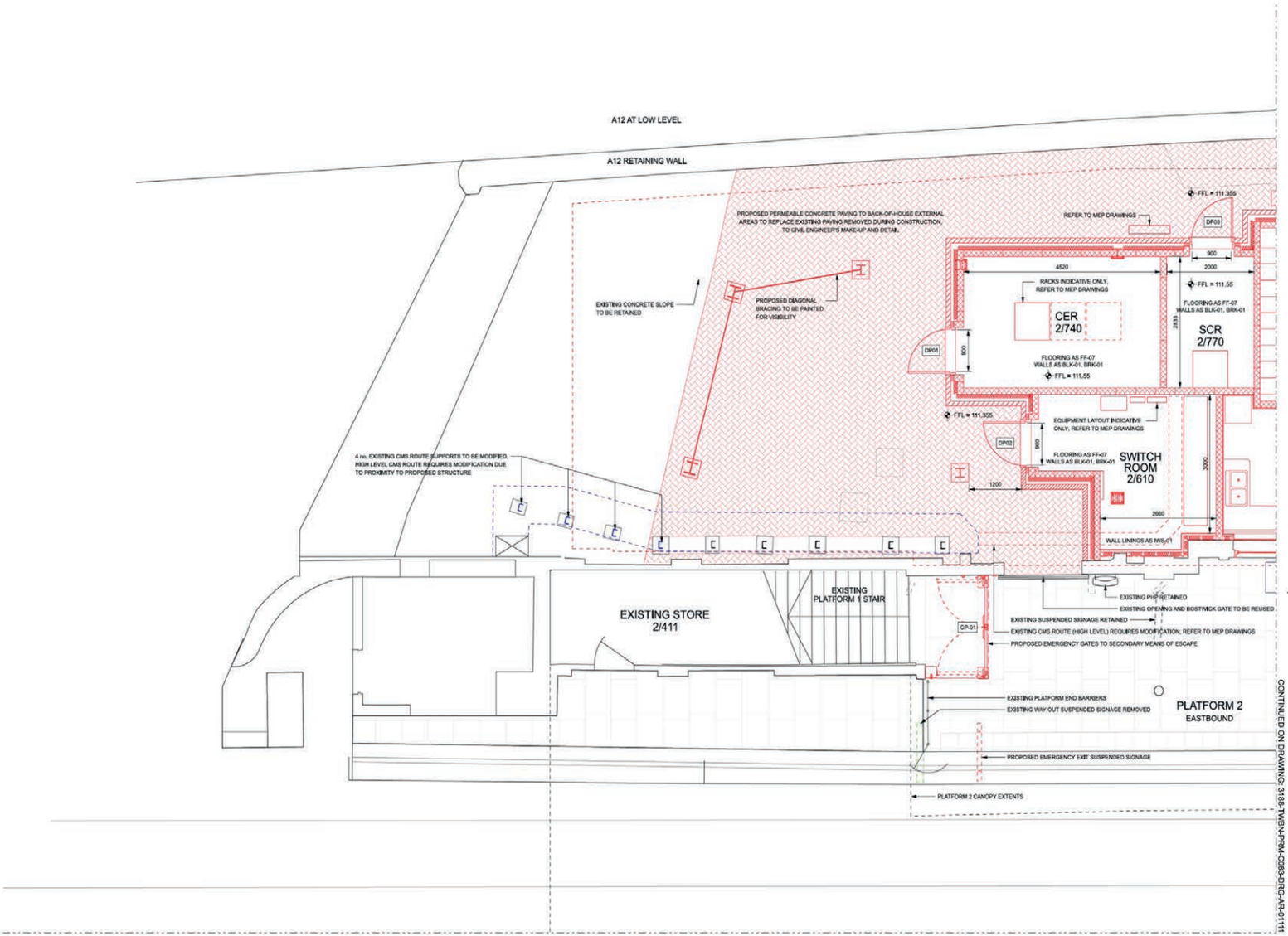
London Underground (TfL) ▸

Transport for London

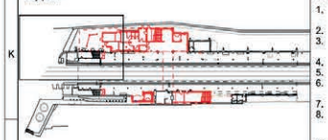
3.0 Various Projects Stage 4

A series of technical and design studies developed during my time at Fereday Pollard, working exclusively on new-build and accessible retrofit projects for Transport for London Underground stations. Across multiple schemes at varying stages, I spent significant time in OpenBuildings Designer and Revit, developing coordinated architectural details, final fixtures, and integrated elements at construction level. Alongside this, I designed bespoke public-realm furniture for select projects and contributed to early-stage concept design on others.

All projects shown are currently under construction, with scheme titles redacted in accordance with NDAs.



Key plan



Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED, LEVELS SHOWN ARE IN METRES (A,O,D,) UNLESS OTHERWISE STATED, ANY DISCREPANCIES SHALL BE REPORTED TO FEREDAY POLLARD.
2. DO NOT SCALE OFF THIS DRAWING, REQUEST DIMENSIONS IF NOT SHOWN.
3. THIS DRAWING MAY INCORPORATE SURVEY INFORMATION SUPPLIED TO FEREDAY POLLARD BY OTHERS. RESPONSBILITY FOR THE ACCURACY OF THIS INFORMATION LIES WITH THE ORIGINATOR.
4. DIMENSIONS OF EXISTING ELEMENTS TO BE CHECKED ON SITE PRIOR TO PREPARATION OF FABRICATION DRAWINGS.
5. FABRICATION DRAWINGS REQUIRED FOR ALL CLADDING, CEILING, GLAZING ASSEMBLIES.
6. SUB-CONTRACTOR'S DESIGN TO DEVELOPED WITH DESIGN INTENT DRAWINGS, PERFORMANCE SPECIFICATION AND DESIGNER'S RISK ASSESSMENTS (3188-TWBN-PRM-C083-REG-AR-00002). SUB-CONTRACTOR'S DESIGN TO BE COORDINATED WITH DETAILS OF ASSOCIATED DESIGN PACKAGES.
7. THIS DRAWING IS TO BE READ IN CONJUCNTION WITH ALL OTHER RELEVANT PROJECT INFORMATION.
8. THIS DRAWING IS ONLY FOR THE USE OF PARTIES TO WHICH IT HAS BEEN ISSUED BY FEREDAY POLLARD AND ONLY IN RELATION TO THE PROJECT AND THE PURPOSE FOR WHICH IT HAS BEEN ISSUED.

Colour Key:

BLACK - EXISTING ASSETS
BLUE - MODIFIED ASSETS
GREEN - REMOVED ASSETS
RED - PROPOSED ASSETS
MAGENTA - TEMPORARY / WORKS BY OTHERS
GREY - DET / SURVEY DATA

TFL RESTRICTED

Rev	Date	Purpose / Description	Drawn	T, Checked	T, Approved	P, Approved	Authorised
P01	16/11/23	FOR INFORMATION ONLY - 60%	DA	ET	CM	CM	—
P02	15/12/23	FOR INFORMATION ONLY - 60%	DA	CM	CM	CM	—
P03	08/03/24	FOR INFORMATION - 90%	DA	GS	CM	CM	—
P04	14/06/24	ISSUE FOR ACCEPTANCE - 100%	DA	GS	CM	CM	ATHRSE01

Project [redacted]
Originator [redacted]
Location [redacted]
Asset Classification: Premises
Lifecycle: LIFECYCLE
Suitability: S3 | Fit for Internal Review and Comment

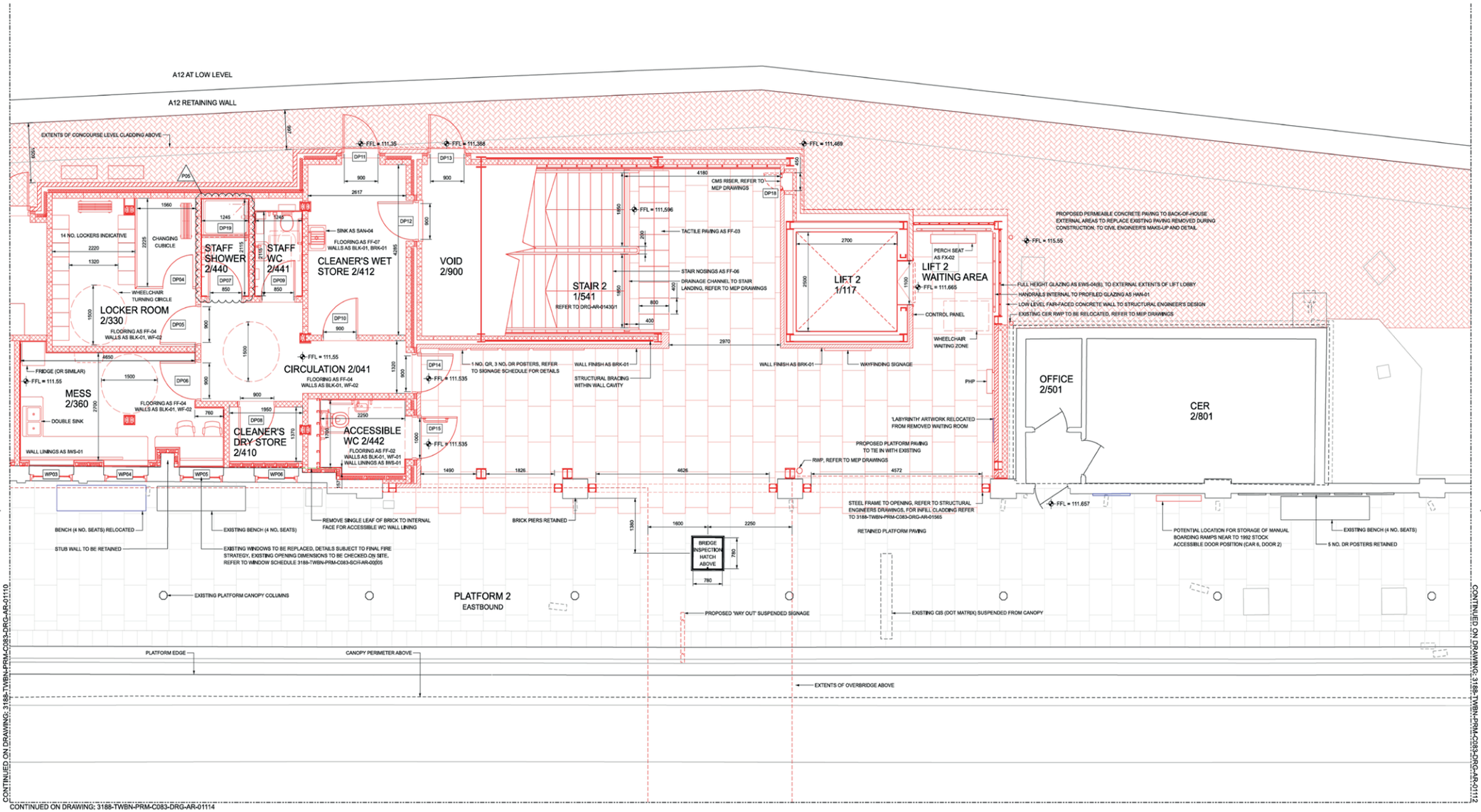
Title [redacted]
PROPOSED

Transport for London

Drawing Number: 3188-TWBN-PRM-C083-DRG-AR-01110
Rev.: P04

Pen Table : $$pentable$$
Published by : $$user$$ at : $$$$$$sytime$$$$$ File name : TFL_General (Z).dgnlib
A 1

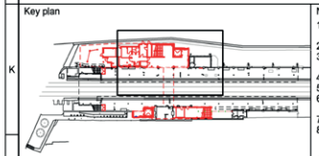
A-SITE NUMBER
3188-TWBN-PRM-C083-DRG-AR-00069



N

0 1m 2m 3m 4m 5m
Scale 1:50

Key plan



Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED. LEVELS SHOWN ARE IN METRES (A.O.D.) UNLESS OTHERWISE STATED. ANY DISCREPANCIES SHALL BE REPORTED TO FEREDAY POLLARD.
2. DO NOT SCALE OFF THIS DRAWING, REQUEST DIMENSIONS IF NOT SHOWN.
3. THIS DRAWING MAY INCORPORATE SURVEY INFORMATION SUPPLIED TO FEREDAY POLLARD BY OTHERS. RESPONSBILITY FOR THE ACCURACY OF THIS INFORMATION LIES WITH THE ORIGINATOR.
4. DIMENSIONS OF EXISTING ELEMENTS TO BE CHECKED ON SITE PRIOR TO PREPARATION OF FABRICATION DRAWINGS.
5. FABRICATION DRAWINGS REQUIRED FOR ALL CLADDING, CEILING, GLAZING ASSEMBLIES.
6. SUB-CONTRACTOR'S DESIGN TO DEVELOPED WITH DESIGN INTENT DRAWINGS, PERFORMANCE SPECIFICATION AND DESIGNER'S RISK ASSESSMENTS (3188-TWBN-PRM-C083-REG-AR-00002). SUB-CONTRACTOR'S DESIGN TO BE COORDINATED WITH DETAILS OF ASSOCIATED DESIGN PACKAGES.
7. THIS DRAWING IS TO BE READ IN CONJUCNTION WITH ALL OTHER RELEVANT PROJECT INFORMATION.
8. THIS DRAWING IS ONLY FOR THE USE OF PARTIES TO WHICH IT HAS BEEN ISSUED BY FEREDAY POLLARD AND ONLY IN RELATION TO THE PROJECT AND THE PURPOSE FOR WHICH IT HAS BEEN ISSUED.

Colour Key:

BLACK - EXISTING ASSETS
BLUE - MODIFIED ASSETS
GREEN - REMOVED ASSETS
RED - PROPOSED ASSETS
MAGENTA - TEMPORARY / WORKS BY OTHERS
GREY - OS / SURVEY DATA

TFL RESTRICTED

Rev	Date	Purpose / Description	Drawn	T. Checked	T. Approved	P. Approved	Authorised
P01	16/11/23	FOR INFORMATION ONLY - 60%	OA	ET	CM	CM	—
P02	15/12/23	FOR INFORMATION ONLY - 60%	OA	CM	CM	CM	—
P03	09/03/24	FOR INFORMATION - 90%	OA	GB	CM	CM	—
P04	14/06/24	ISSUE FOR ACCEPTANCE - 100%	OA	GB	CM	CM	—
P05	09/08/24	ISSUE FOR ACCEPTANCE - SHOWER/GATELINE UPDATES	OA	GB	CM	CM	ATHRSED1

Project [redacted]
Originator [redacted]
Location [redacted]
Asset Classification: Premises
Lifecycle: LIFECYCLE
Suitability: S3 — Fit for Internal Review and Comment

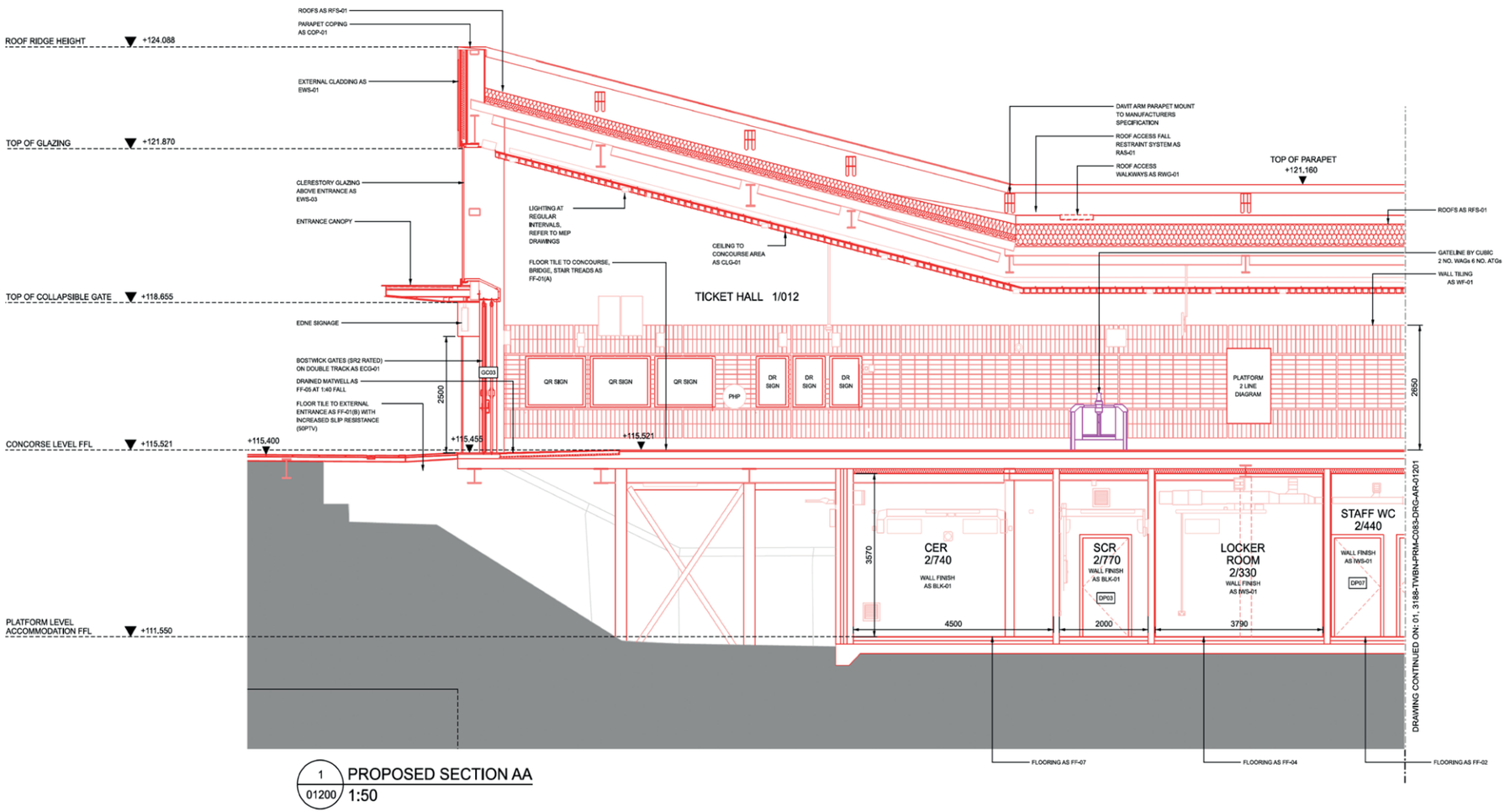
Title [redacted]
PROPOSED

Transport for London

Drawing Number: 3188-TWBN-PRM-C083-DRG-AR-01111
Rev.: P05

Pen Table : $$pentable$$
Published by : $$user$$ at : $$$$$$sytime$$$$$ File name : TFL_General (Z).dgnlib
A 1

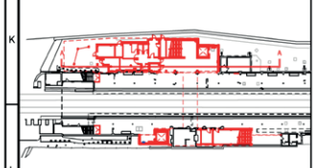
A-SITE NUMBER
3188-TWBN-PRM-C083-DRG-AR-00070



1 / 01200 PROPOSED SECTION AA
1:50

0 1m 2m 3m 4m 5m
Scale 1:50

Key plan



Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED. LEVELS SHOWN ARE IN METRES (A.O.D.) UNLESS OTHERWISE STATED. ANY DISCREPANCIES SHALL BE REPORTED TO FEREDAY POLLARD.
2. DO NOT SCALE OFF THIS DRAWING. REQUEST DIMENSIONS IF NOT SHOWN.
3. THIS DRAWING MAY INCORPORATE SURVEY INFORMATION SUPPLIED TO FEREDAY POLLARD BY OTHERS. RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION LIES WITH THE ORIGINATOR.
4. DIMENSIONS OF EXISTING ELEMENTS TO BE CHECKED ON SITE PRIOR TO PREPARATION OF FABRICATION DRAWINGS.
5. FABRICATION DRAWINGS REQUIRED FOR ALL CLADDING, CEILING, GLAZING ASSEMBLIES.
6. SUB-CONTRACTOR'S DESIGN TO DEVELOPED WITH DESIGN INTENT DRAWINGS, PERFORMANCE SPECIFICATION AND DESIGNER'S RISK ASSESSMENTS (3188-TWBN-PRM-C083-REG-AR-00002). SUB-CONTRACTOR'S DESIGN TO BE COORDINATED WITH DETAILS OF ASSOCIATED DESIGN PACKAGES.
7. THIS DRAWING IS TO BE READ IN CONJUCNTION WITH ALL OTHER RELEVANT PROJECT INFORMATION.
8. THIS DRAWING IS ONLY FOR THE USE OF PARTIES TO WHICH IT HAS BEEN ISSUED BY FEREDAY POLLARD AND ONLY IN RELATION TO THE PROJECT AND THE PURPOSE FOR WHICH IT HAS BEEN ISSUED.

Colour Key:

BLACK - EXISTING ASSETS
BLUE - MODIFIED ASSETS
GREEN - REMOVED ASSETS
RED - PROPOSED ASSETS
MAGENTA - TEMPORARY / WORKS BY OTHERS
GREY - OS / SURVEY DATA

TFL RESTRICTED

Rev	Date	Purpose / Description	Drawn	T. Checked	T. Approved	P. Approved	Authorised
P01	16/11/23	FOR INFORMATION ONLY - 60%	DA	ET	CM	CM	--
P02	15/12/23	FOR INFORMATION ONLY - 60%	DA	CM	CM	CM	--
P03	08/03/24	FOR INFORMATION - 90%	DA	GB	CM	CM	--
P04	25/06/24	100% - ISSUE FOR ACCEPTANCE	DA	GB	CM	CM	ATHRSED1

Project [redacted]
Originator [redacted]
Location [redacted]
Asset Classification: Premises
Lifecycle: LIFECYCLE
Suitability: S3 Fit for Internal Review and Comment

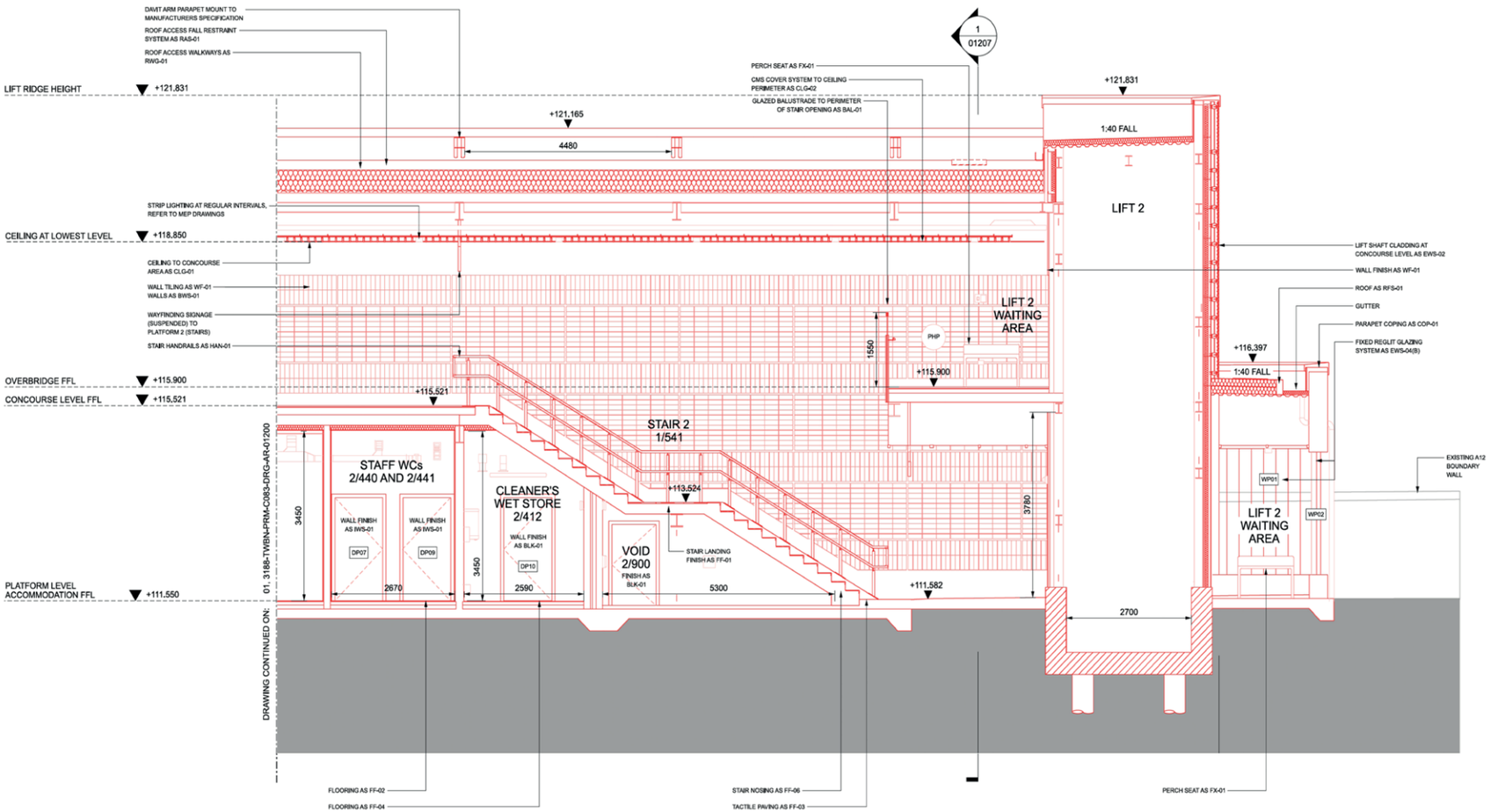
Title: PROPOSED SECTION A-A SHEET 1 OF 2

Transport for London

Drawing Number: 3188-TWBN-PRM-C083-DRG-AR-01200
Rev.: P04

A-SITE NUMBER 3188-TWBN-PRM-C083-DRG-AR-00081

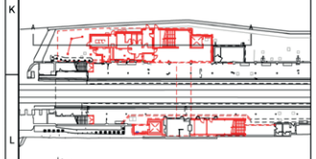
Pen Table : $$pentable$$
Published by : $$user$$ at : $$$$$$$$sytime$$$$$ File name : TFL_General (Z).dgnlib
A 1



01 / 01201 PROPOSED SECTION AA
1:50

0 1m 2m 3m 4m 5m
Scale 1:50

Key plan



Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED. LEVELS SHOWN ARE IN METRES (A.O.D.) UNLESS OTHERWISE STATED. ANY DISCREPANCIES SHALL BE REPORTED TO FEREDAY POLLARD.
2. DO NOT SCALE OFF THIS DRAWING. REQUEST DIMENSIONS IF NOT SHOWN.
3. THIS DRAWING MAY INCORPORATE SURVEY INFORMATION SUPPLIED TO FEREDAY POLLARD BY OTHERS. RESPONSBILITY FOR THE ACCURACY OF THIS INFORMATION LIES WITH THE ORIGINATOR.
4. DIMENSIONS OF EXISTING ELEMENTS TO BE CHECKED ON SITE PRIOR TO PREPARATION OF FABRICATION DRAWINGS.
5. FABRICATION DRAWINGS REQUIRED FOR ALL CLADDING, CEILING, GLAZING ASSEMBLIES.
6. SUB-CONTRACTOR'S DESIGN TO DEVELOPED WITH DESIGN INTENT DRAWINGS, PERFORMANCE SPECIFICATION AND DESIGNER'S RISK ASSESSMENTS (3188-TWBN-PRM-C083-REG-AR-00002). SUB-CONTRACTOR'S DESIGN TO BE COORDINATED WITH DETAILS OF ASSOCIATED DESIGN PACKAGES.
7. THIS DRAWING IS TO BE READ IN CONJUCNTION WITH ALL OTHER RELEVANT PROJECT INFORMATION.
8. THIS DRAWING IS ONLY FOR THE USE OF PARTIES TO WHICH IT HAS BEEN ISSUED BY FEREDAY POLLARD AND ONLY IN RELATION TO THE PROJECT AND THE PURPOSE FOR WHICH IT HAS BEEN ISSUED.

Colour Key:

BLACK - EXISTING ASSETS
BLUE - MODIFIED ASSETS
GREEN - REMOVED ASSETS
RED - PROPOSED ASSETS
MAGENTA - TEMPORARY / WORKS BY OTHERS
GREY - OS / SURVEY DATA

TFL RESTRICTED

Rev	Date	Purpose / Description	Drawn	T. Checked	T. Approved	P. Approved	Authorised
P01	16/11/23	FOR INFORMATION ONLY - 60%	OA	ET	CM	CM	—
P02	15/12/23	FOR INFORMATION ONLY - 60%	OA	CM	CM	CM	—
P03	08/03/24	FOR INFORMATION - 90%	OA	GB	CM	CM	—
P04	25/06/24	100% - ISSUE FOR ACCEPTANCE	OA	GB	CM	CM	—
P05	25/06/24	100% - ISSUE FOR ACCEPTANCE	OA	GB	CM	CM	ATHRBED1

Project [redacted]
Originator [redacted]
Location [redacted]
Asset Classification: Premises
Lifecycle: LIFECYCLE
Suitability: S3 | Fit for Internal Review and Comment

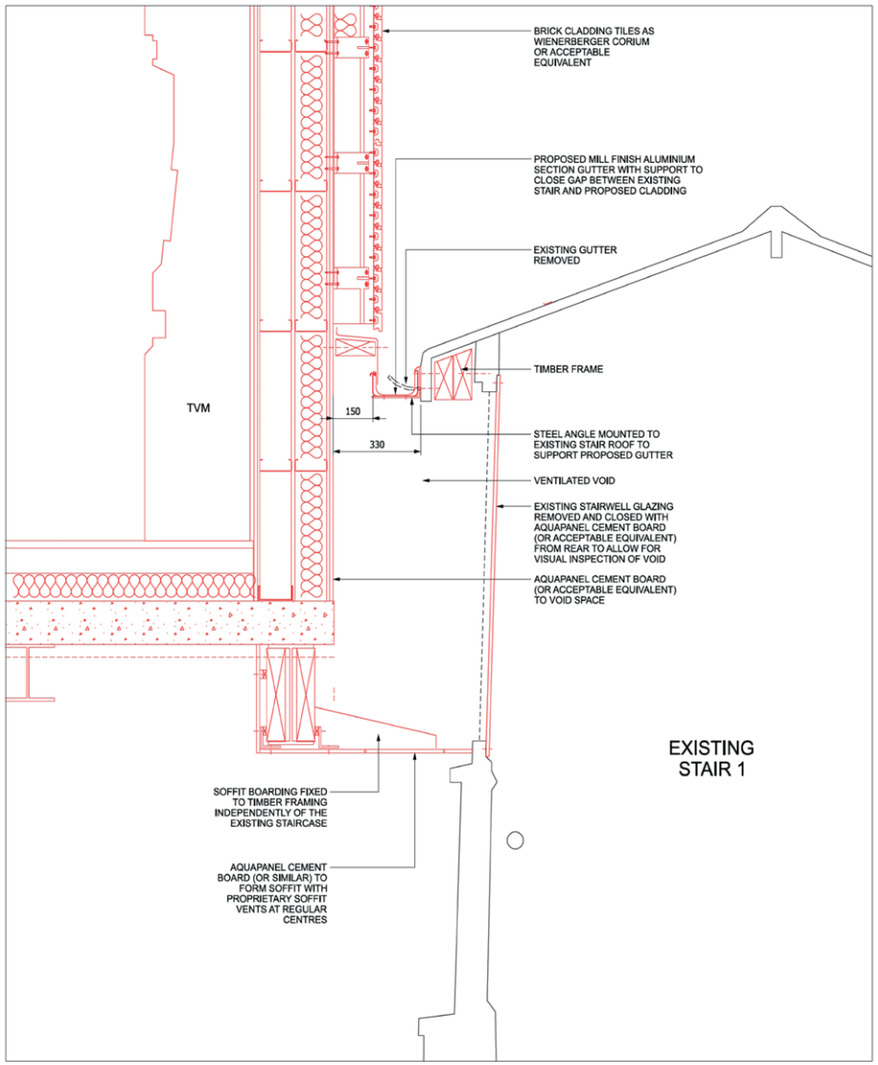
Title: PROPOSED SECTION A-A SHEET 2 OF 2

Transport for London

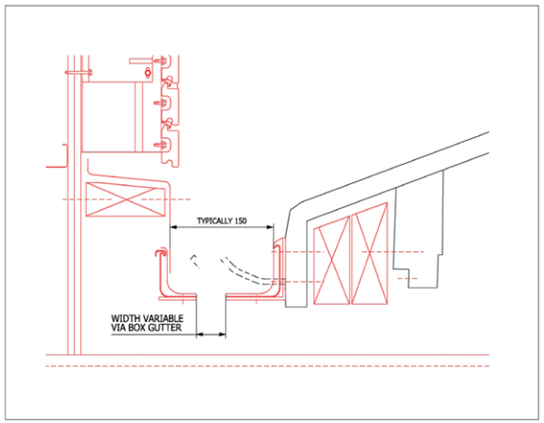
Drawing Number: 3188-TWBN-PRM-C083-DRG-AR-01201
Rev.: P05

A-SITE NUMBER 3188-TWBN-PRM-C083-DRG-AR-00082

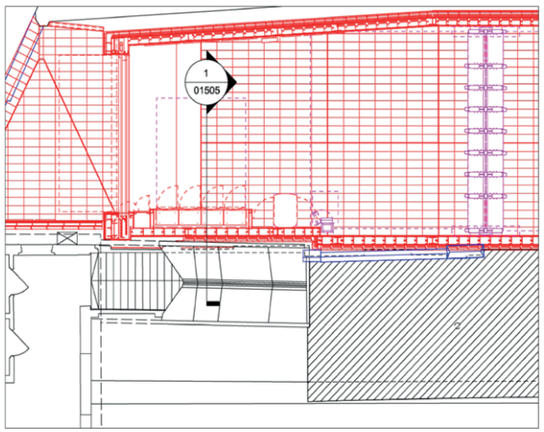
Pen Table : $$pentable$$
Published by : $$user$$ at : $$$$$$sytime$$$$$ File name : TFL_General (Z).dgnlib
A 1



1 / 01505 EXISTING STAIR 1 INTERFACE
SECTION 1:10



2 / 01505 STAIR 1 INTERFACE DETAIL
DETAIL 1:5



3 / 01505 STAIR 1 SECTION LOCATION PLAN
PLAN 1:100

Key plan

Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED. LEVELS SHOWN ARE IN METRES (A.O.D.) UNLESS OTHERWISE STATED. ANY DISCREPANCIES SHALL BE REPORTED TO FEREDAY POLLARD.
2. DO NOT SCALE OFF THIS DRAWING, REQUEST DIMENSIONS IF NOT SHOWN.
3. THIS DRAWING MAY INCORPORATE SURVEY INFORMATION SUPPLIED TO FEREDAY POLLARD BY OTHERS. RESPONSBILITY FOR THE ACCURACY OF THIS INFORMATION LIES WITH THE ORIGINATOR.
4. DIMENSIONS OF EXISTING ELEMENTS TO BE CHECKED ON SITE PRIOR TO PREPARATION OF FABRICATION DRAWINGS.
5. FABRICATION DRAWINGS REQUIRED FOR ALL CLADDING, CEILING, GLAZING ASSEMBLIES.
6. SUB-CONTRACTOR'S DESIGN TO DEVELOPED WITH DESIGN INTENT DRAWINGS, PERFORMANCE SPECIFICATION AND DESIGNER'S RISK ASSESSMENTS (3188-TWBN-PRM-C083-REG-AR-00002). SUB-CONTRACTOR'S DESIGN TO BE COORDINATED WITH DETAILS OF ASSOCIATED DESIGN PACKAGES.
7. THIS DRAWING IS TO BE READ IN CONJUCNTION WITH ALL OTHER RELEVANT PROJECT INFORMATION.
8. THIS DRAWING IS ONLY FOR THE USE OF PARTIES TO WHICH IT HAS BEEN ISSUED BY FEREDAY POLLARD AND ONLY IN RELATION TO THE PROJECT AND THE PURPOSE FOR WHICH IT HAS BEEN ISSUED.

Colour Key:

BLACK - EXISTING ASSETS
BLUE - MODIFIED ASSETS
GREEN - REMOVED ASSETS
RED - PROPOSED ASSETS
MAGENTA - TEMPORARY / WORKS BY OTHERS
GREY - OS / SURVEY DATA

TFL RESTRICTED

Rev	Date	Purpose / Description	Drawn	T. Checked	T. Approved	P. Approved	Authorised
P01	25/06/24	100% - ISSUE FOR ACCEPTANCE	OA	GB	CM	CM	—
P02	25/06/24	100% - ISSUE FOR ACCEPTANCE	OA	GB	CM	CM	ATHRSED1

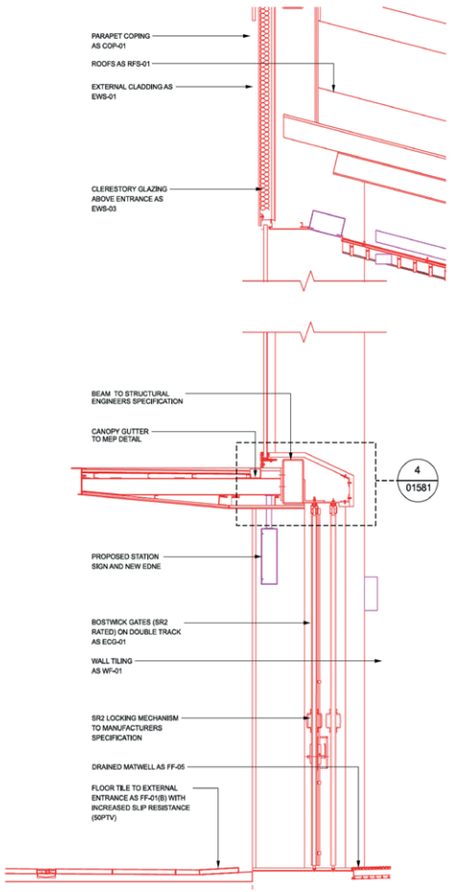
Project [redacted]
Originator [redacted]
Location [redacted]
Asset Classification: Premises
Lifecycle: LIFECYCLE
Suitability: S3 Fit for Internal Review and Comment

Title: PROPOSED STAIR INTERFACES PLATFORM 2

Transport for London

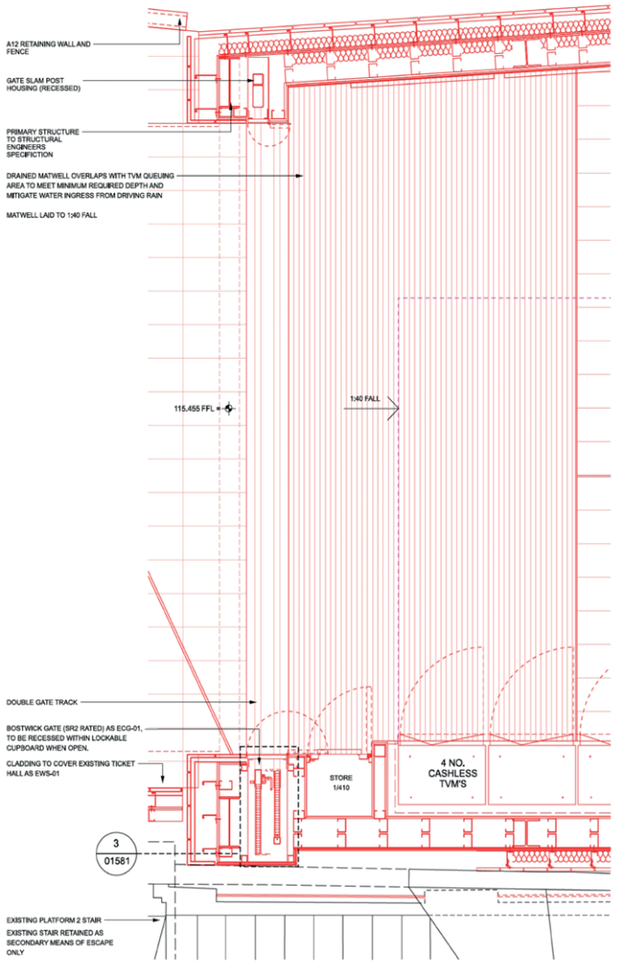
Drawing Number: 3188-TWBN-PRM-C083-DRG-AR-01505
Rev.: P02

A-SITE NUMBER
3188-TWBN-PRM-C083-DRG-AR-00157

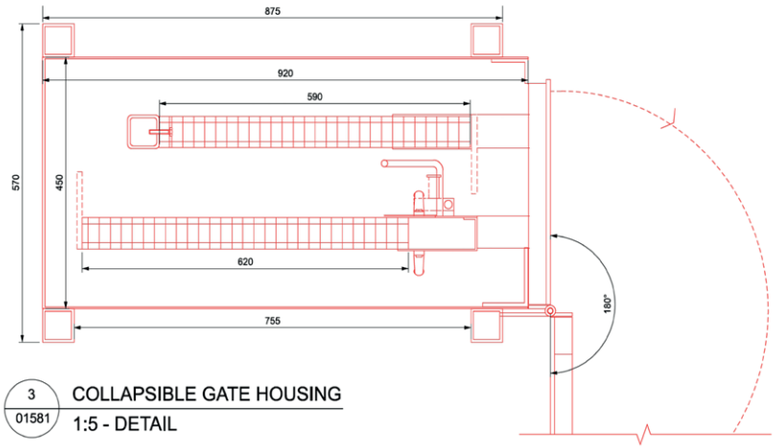


1 01581 STATION ENTRANCE COLLAPSIBLE GATE
1:25 - SECTION

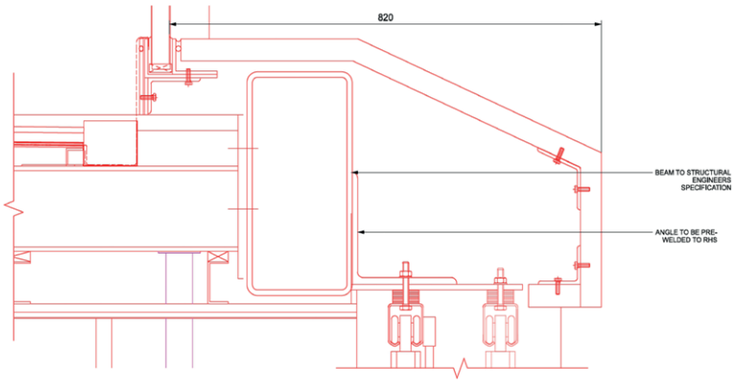
SINGLE GATE - DOUBLE TRACK 'BI-PART SYSTEM'



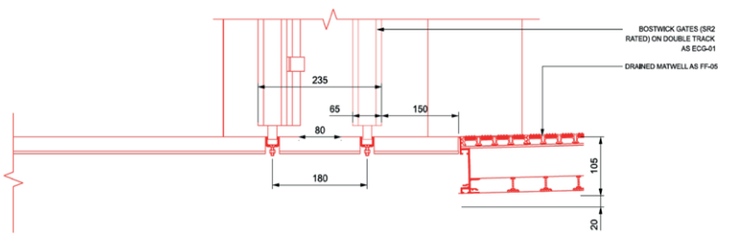
2 01581 STATION ENTRANCE COLLAPSIBLE GATE
1:25 - PLAN



3 01581 COLLAPSIBLE GATE HOUSING
1:5 - DETAIL

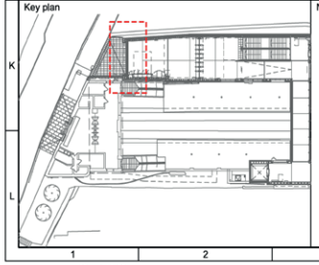


4 01581 COLLAPSIBLE GATE HEAD
1:5 - DETAIL



5 01581 COLLAPSIBLE GATE TRACK
1:5 - DETAIL

Key plan



Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED, LEVELS SHOWN ARE IN METRES (A.O.D.) UNLESS OTHERWISE STATED. ANY DISCREPANCIES SHALL BE REPORTED TO FEREDAY POLLARD.
2. DO NOT SCALE OFF THIS DRAWING, REQUEST DIMENSIONS IF NOT SHOWN.
3. THIS DRAWING MAY INCORPORATE SURVEY INFORMATION SUPPLIED TO FEREDAY POLLARD BY OTHERS, RESPONSBILITY FOR THE ACCURACY OF THIS INFORMATION LIES WITH THE ORIGINATOR.
4. DIMENSIONS OF EXISTING ELEMENTS TO BE CHECKED ON SITE PRIOR TO PREPARATION OF FABRICATION DRAWINGS.
5. FABRICATION DRAWINGS REQUIRED FOR ALL CLADDING, CEILING, GLAZING ASSEMBLIES.
6. SUB-CONTRACTOR'S DESIGN TO DEVELOPED WITH DESIGN INTENT DRAWINGS, PERFORMANCE SPECIFICATION AND DESIGNER'S RISK ASSESSMENTS (3188-TWBN-PRM-C083-REG-AR-00002). SUB-CONTRACTOR'S DESIGN TO BE COORDINATED WITH DETAILS OF ASSOCIATED DESIGN PACKAGES.
7. THIS DRAWING IS TO BE READ IN CONJUCNTION WITH ALL OTHER RELEVANT PROJECT INFORMATION.
8. THIS DRAWING IS ONLY FOR THE USE OF PARTIES TO WHICH IT HAS BEEN ISSUED BY FEREDAY POLLARD AND ONLY IN RELATION TO THE PROJECT AND THE PURPOSE FOR WHICH IT HAS BEEN ISSUED.

Colour Key:

BLACK - EXISTING ASSETS
BLUE - MODIFIED ASSETS
GREEN - REMOVED ASSETS
RED - PROPOSED ASSETS
MAGENTA - TEMPORARY / WORKS BY OTHERS
GREY - OS / SURVEY DATA

TFL RESTRICTED

Rev	Date	Purpose / Description	Drawn	T. Checked	T. Approved	P. Approved	Authorised
P01	15/12/23	FOR INFORMATION - 60%	OA	CM	CM	CM	—
P02	18/12/23	FOR INFORMATION - 90%	OA	GB	CM	CM	—
P03	09/03/24	FOR INFORMATION - 90%	OA	GB	CM	CM	—
P04	11/03/24	ISSUE FOR ACCEPTANCE - 100%	OA	GB	CM	CM	—
P05	14/06/24	100% - ISSUE FOR ACCEPTANCE	OA	GB	CM	CM	—
P06	25/06/24	100% - ISSUE FOR ACCEPTANCE	OA	GB	CM	CM	—
P07	25/06/24		OA	GB	CM	CM	ATHRSED1

Project: [redacted]
Originator: [redacted]
Location: [redacted]
Asset Classification: Premises
Lifecycle: LIFECYCLE
Suitability: S3 | Fit for Internal Review and Comment

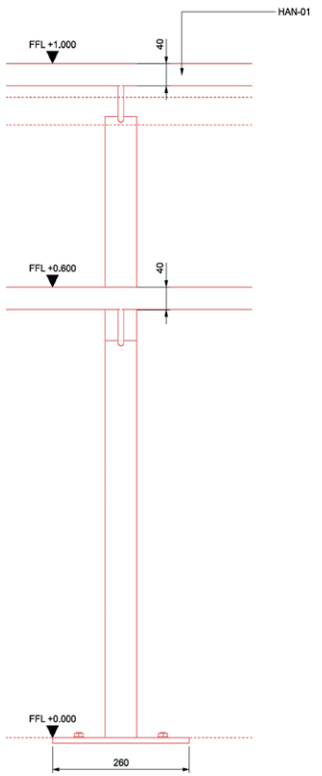
Title: COLLAPSIBLE GATE DETAILS
PROPOSED

Transport for London

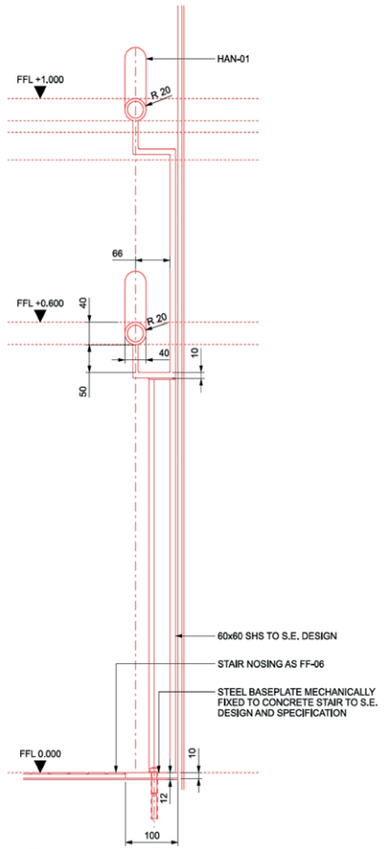
Drawing Number: 3188-TWBN-PRM-C083-DRG-AR-01581
Rev.: P07

Pen Table : $$pentable$$
Published by : $$user$$ at : $$$$$$sytime$$$$$ File name : TFL_General (Z).dgnlib
A 1

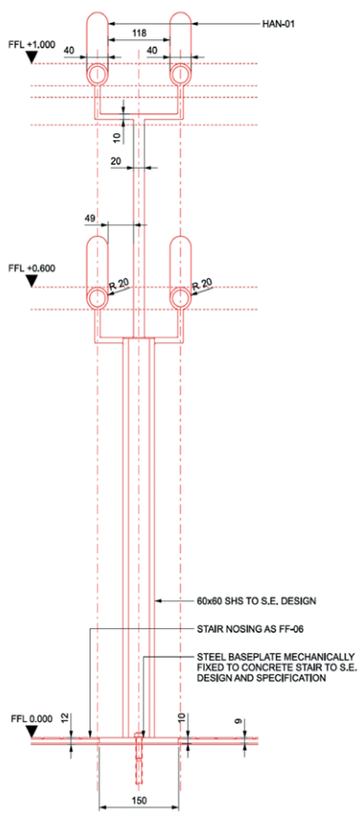
A-SITE NUMBER
3188-TWBN-PRM-C083-DRG-AR-00173



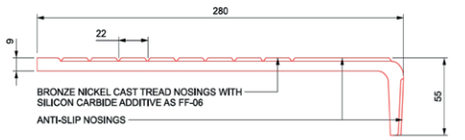
01 / 01430 HANDRAIL ELEVATION
1:5 DETAIL



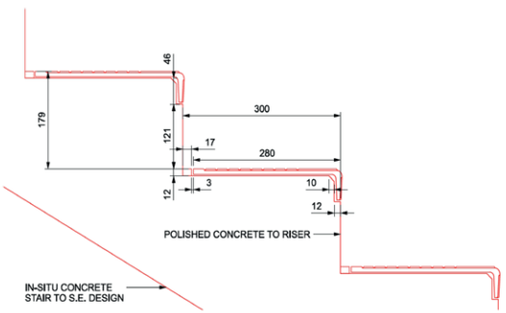
02 / 01430 EDGE HANDRAIL SECTION
1:5 DETAIL



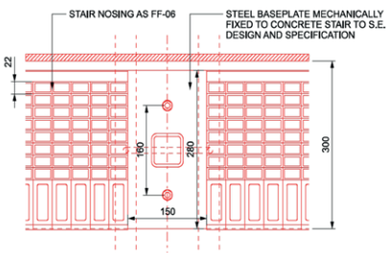
03 / 01430 CENTRAL HANDRAIL SECTION
1:5 DETAIL



04 / 01430 STAIR NOSING DETAIL
1:2 DETAIL



05 / 01430 FULL RUN STAIR NOSING
1:5 DETAIL



06 / 01430 CENTRAL HANDRAIL PLAN
1:5 DETAIL

Key plan

Notes:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED. LEVELS SHOWN ARE IN METRES (A.O.D.) UNLESS OTHERWISE STATED. ANY DISCREPANCIES SHALL BE REPORTED TO FEREDAY POLLARD.
2. DO NOT SCALE OFF THIS DRAWING, REQUEST DIMENSIONS IF NOT SHOWN.
3. THIS DRAWING MAY INCORPORATE SURVEY INFORMATION SUPPLIED TO FEREDAY POLLARD BY OTHERS. RESPONSBILITY FOR THE ACCURACY OF THIS INFORMATION LIES WITH THE ORIGINATOR.
4. DIMENSIONS OF EXISTING ELEMENTS TO BE CHECKED ON SITE PRIOR TO PREPARATION OF FABRICATION DRAWINGS.
5. FABRICATION DRAWINGS REQUIRED FOR ALL CLADDING, CEILING, GLAZING ASSEMBLIES.
6. SUB-CONTRACTOR'S DESIGN TO DEVELOPED WITH DESIGN INTENT DRAWINGS, PERFORMANCE SPECIFICATION AND DESIGNER'S RISK ASSESSMENTS (3188-TWBN-PRM-C083-REG-AR-00002). SUB-CONTRACTOR'S DESIGN TO BE COORDINATED WITH DETAILS OF ASSOCIATED DESIGN PACKAGES.
7. THIS DRAWING IS TO BE READ IN CONJUCNTION WITH ALL OTHER RELEVANT PROJECT INFORMATION.
8. THIS DRAWING IS ONLY FOR THE USE OF PARTIES TO WHICH IT HAS BEEN ISSUED BY FEREDAY POLLARD AND ONLY IN RELATION TO THE PROJECT AND THE PURPOSE FOR WHICH IT HAS BEEN ISSUED.

Colour Key:

BLACK - EXISTING ASSETS
BLUE - MODIFIED ASSETS
GREEN - REMOVED ASSETS
RED - PROPOSED ASSETS
MAGENTA - TEMPORARY / WORKS BY OTHERS
GREY - OS / SURVEY DATA

TFL RESTRICTED

Rev	Date	Purpose / Description	Drawn	T, Checked	T, Approved	P, Approved	Authorised
P01	16/11/23	FOR INFORMATION ONLY - 60%	DA	ET	CM	CM	—
P02	15/12/23	FOR INFORMATION ONLY - 60%	DA	CM	CM	CM	—
P03	08/03/24	FOR INFORMATION - 90%	DA	GB	CM	CM	—
P04	11/03/24	FOR INFORMATION - 90%	DA	CM	CM	CM	—
P05	25/06/24	100% - ISSUE FOR ACCEPTANCE	DA	GB	CM	CM	ATHRBED1

Project: [redacted]
Originator: [redacted]
Location: [redacted]
Asset Classification: Premises
Lifecycle: LIFECYCLE
Suitability: S3 | Fit for Internal Review and Comment

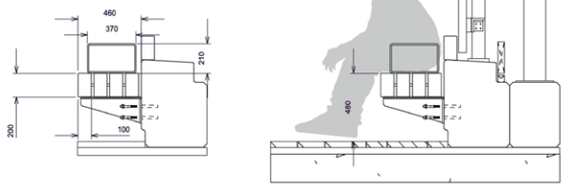
Title: [redacted]
PROPOSED

Transport for London

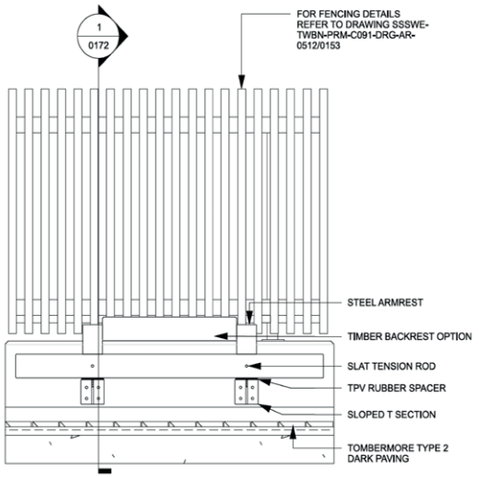
Drawing Number: 3188-TWBN-PRM-C083-DRG-AR-01431
Rev.: P05

Pen Table : $$pentable$$
Published by : $$user$$ at : $$$$$$sysdate$$$$$ File name : TFL_General (Z).dgnlib
A 1

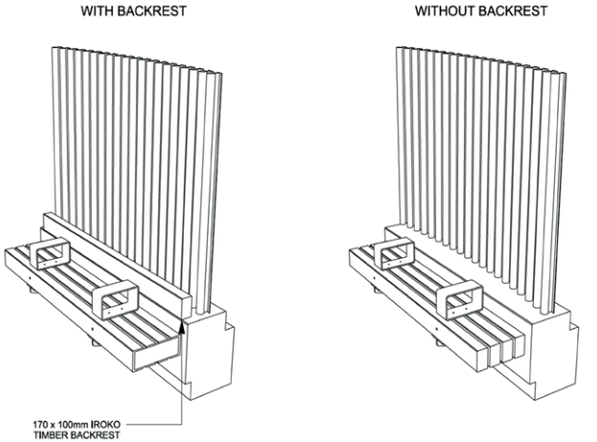
A-SITE NUMBER
3188-TWBN-PRM-C083-DRG-AR-00093



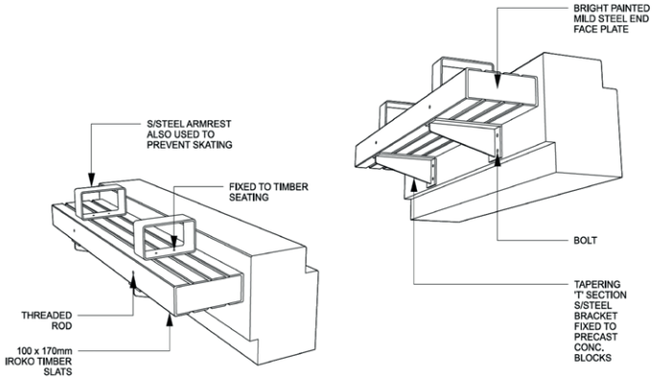
1 / 0151 BENCH SEATING - SECTION
VERTICAL SLATS - 1:20 at A1



2 / 0151 BENCH SEATING - ELEVATION
SLOPED T SECTION MOUNT 1:20 at A1



3 / - TIMBER BACK REST STUDY
INCLUSION OF TIMBER BACKREST ON PRE-CAST CONC. BLOCK



4 / - BENCH SEATING - ISOMETRIC PROJECTION
SHOWING ACCOMPANYING METALWORK

Key plan

Notes:

NOTE: INITIAL STUDY OF BENCH SEATING - FOR DISCUSSION

1. Dimensions of existing building elements should be checked onsite prior to the preparation of fabrication drawings.
2. Fabrication drawings are required for all cladding, ceiling, glazing assemblies, to include associated flashings and fixings for comment.
3. The Sub-Contractor's design is to be developed in accordance with the Design Intent Drawings, Performance Specification and Designers' Risk Assessments.
4. The Sub-Contractor's fabrication drawings should be coordinated with the details of associated/ adjoining design packages.
5. The design of all construction elements should be coordinated with the proposals outlined in all other design disciplines' including, but not limited to, Structural and MEP Engineering, Telecoms, Security, Drainage, Fire, Signage and Cubic gateline requirements.

TFL RESTRICTED

Rev	Date	Purpose / Description	Drawn	T, Checked	T, Approved	P, Approved	Authorised
P01	15/12/22	TENDER ISSUE	GG	GG	CM	CM	---
P02	06/02/23	STAGE 4 DETAIL DESIGN ISSUE	GG	GG	CM	CM	---

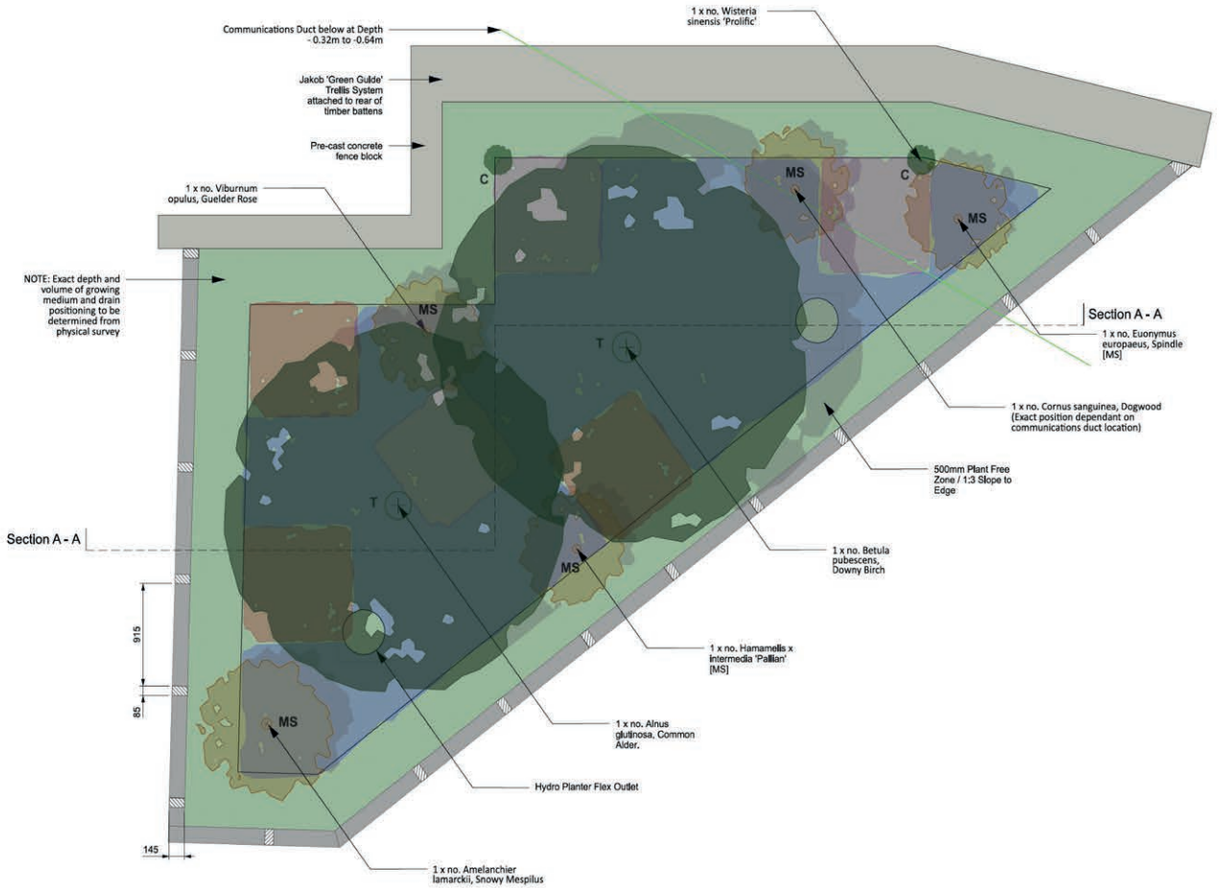
Project: [redacted]
Originator: [redacted]
Location: [redacted]
Asset Classification: Premises
Lifecycle: LIFECYCLE
Suitability: S4 | Fit for Construction Approval

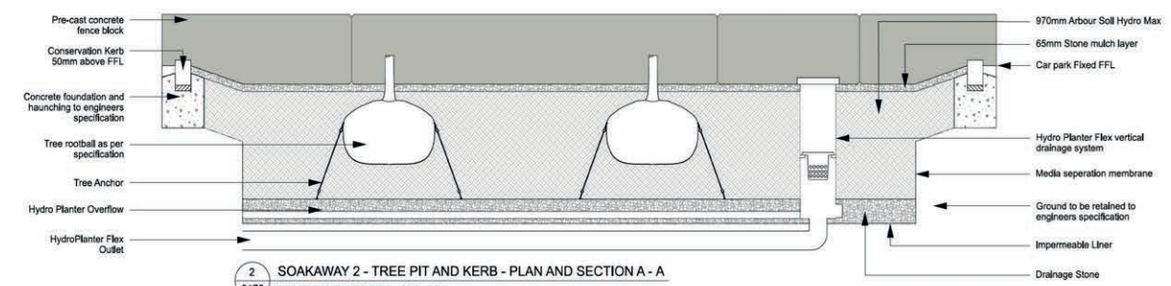
Title: [redacted]
PUBLIC REALM
TYPICAL SEATING UNIT

Transport for London

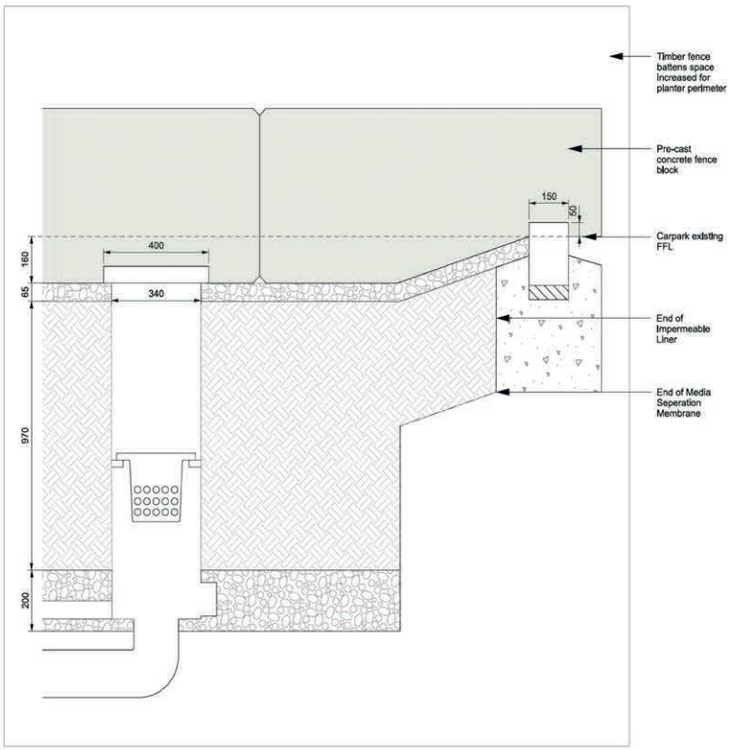
Drawing Number: SSSWE-TWBN-PRM-C091-DRG-AR-0172
Rev.: P02

Pen Table : $$pentable$$
Published by : $$user$$ at : $$$$$$sydtime$$$$$ File name : TFL_General (Z).dgnlib
A 1



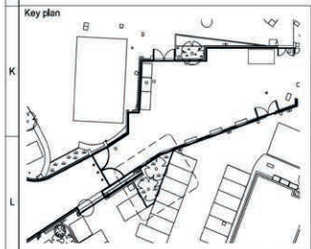


2 / 0170 SOAKAWAY 2 - TREE PIT AND KERB - PLAN AND SECTION A - A
SOAKAWAY 2 SECTION - 1:25 at A1



3 / - SOAKAWAY 2 - SECTIONAL DETAIL AND DIMENSIONS
SOAKAWAY 2 SECTION - 1:10 at A1

Key plan



Notes:

1. Dimensions of existing building elements should be checked onsite prior to the preparation of fabrication drawings.
2. Fabrication drawings are required for all cladding, ceiling, glazing assemblies, to include associated flashings and fixings for comment.
3. The Sub-Contractor's design is to be developed in accordance with the Design Intent Drawings, Performance Specification and Designers' Risk Assessments.
4. The Sub-Contractor's fabrication drawings should be coordinated with the details of associated/ adjoining design packages.
5. The design of all construction elements should be coordinated with the proposals outlined in all other design disciplines' including, but not limited to, Structural and MEP Engineering, Telecoms, Security, Drainage, Fire, Signage and Cubic gateline requirements.

0m 0.5m 1m 1.5m 2m 2.5m
SCALE 1:25 at A1

Planting and Material Key

- Precast Concrete Fence Block
- Conservation Kerb
- Proposed Ferns - 3m²
- Proposed Grasses - 3m²
- Proposed Herbaceous - 14.1m²
- Proposed Tree
- Proposed Multi-Stem
- Proposed Climber

TFL RESTRICTED

Rev	Date	Purpose / Description	Drawn	T. Checked	T. Approved	P. Approved	Authorised
P01	04/02/23	STAGE 4 DETAIL DESIGN ISSUE	GG	GG	CM	CM	—

Project: [redacted]
Originator: [redacted]
Location: [redacted]
Asset Classification: Premises
Lifecycle: LIFECYCLE
Suitability: S4 Fit for Construction Approval

Title: [redacted]
PUBLIC REALM - SOFT LANDSCAPING
SOAKAWAY 2

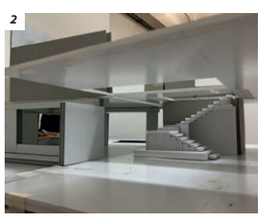
Transport for London

Drawing Number: SSSWE-TWBN-PRM-C091-DRG-AR-0179
Rev.: P01

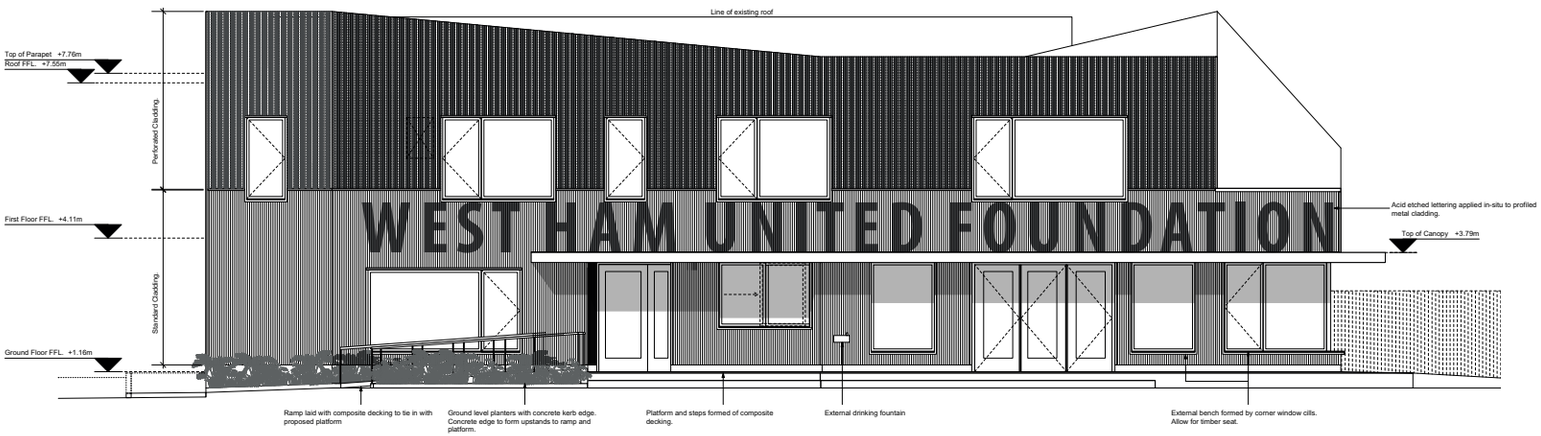
West Ham Foundation

3.1 Stage 4 RIBA ►

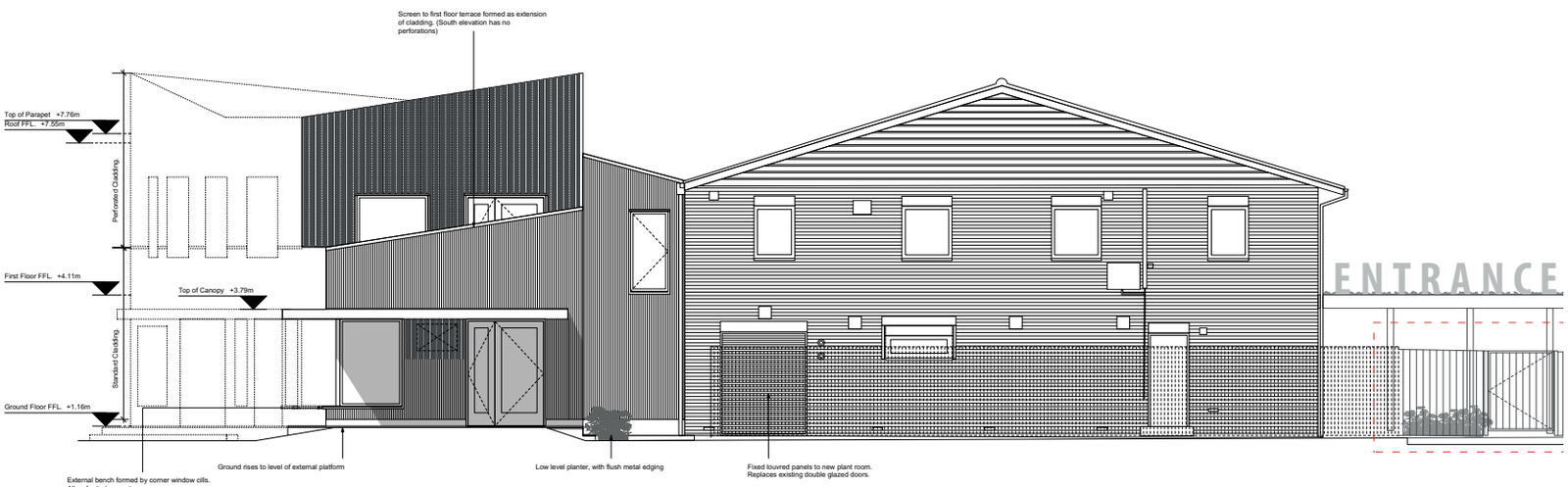
Stage 4 development of the West Ham Foundation accessible clubhouse. The space was designed as an extension to the existing foundation structure, and consisted of a Cafe, education space, sports hall, changing rooms, showers and WC. After establishing the Stage 3 Spatial configuration, stage 4 work involved creating door and window schedules, specifying WC and showers with Part M products and developing passive way finding in the spaces with material studies.



▲ ***Greyboard Massing Studies*** *Early physical investigation of spaces for light and crowd loading examination*



1 Proposed Elevations - West
Scale: 1:50



2 Proposed Elevation - South
Scale: 1:50

4 Installations and Personal

Show builds and Small Scale ▸

Show Builds + Large Scale

4.0 Various Show Spaces ►

This collection showcases a range of large-scale projects, including summer show builds, group commissions, and academic work. With significant experience in exhibition design, I've taken on the role of Unit Fabrication Lead for the Bartlett Summer Show over the past two years, designing and leading the creation of four exhibition spaces.

The most recent build (right) was designed and constructed in just two weeks using reclaimed steel from the academic year. Steel beams supported 24 welded armatures to display models, with CNC-cut feet, robotically cut signage, and resin-printed shelf ends completing the design.

In addition to my work at Bartlett, I've contributed to exhibitions at the A+D Center and Venice Gallery in Los Angeles for Thom Mayne's practice, Morphosis, where I was responsible for both design and installation.

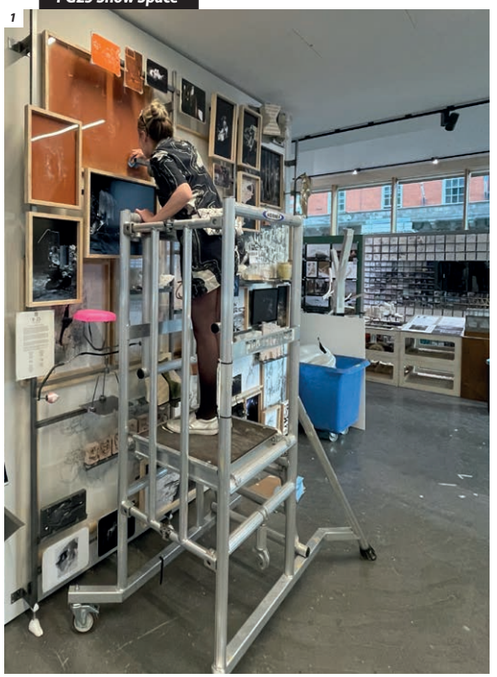
Unit 25 Show (2022) ►
25mm Steel profile frame, making use of 3 up stands to secure models in front of drawings and renders.

Steel, Birch, PLA, SLA Resin.

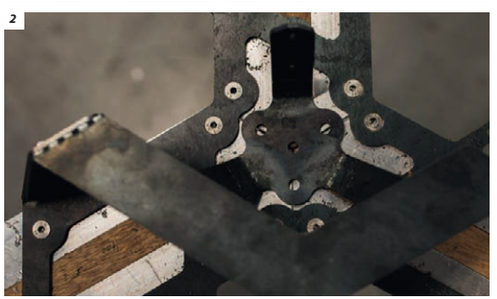
Thom Mayne Personal Practice (2025) ▼
Design, art handling and setup of Thom Maynes studio in Los Angles, to exhibit a chronology of work for presentation to tour groups.

PG25 Show Space

1



2



3

4

5

6

◄ ***Unit 8 Show detail (2016)***
The Unit 8 Show space in London was designed as part of the annual Bartlett Summer Show. The exhibition displayed student work, offering a public-facing peep-show display that invited passersby to glimpse the creative process inside while maintaining an immersive, curated experience.

Cut at Here East.

All brackets were retained post show and used for bookshelf mounts.

Steel, Canvas, PLA.

Experimental Fabrication

4.1 Component manufacture ▸

Over years of study, tangents have emerged—projects not fully architecture but full of potential. Running alongside architectural work, these studies prioritize fabrication methods and processes over final outcomes. Typically, what is learned finds its way back into the main body of architectural work.

1

2

◂ ***[1] Steel Cutouts*** *Laser-cut steel components, part of an experimental assembly exploring material connections and structural adaptability.*

◂ ***[2] Pumpkin*** *Halloween special: CNC carved pumpkin study, testing the precision and versatility of fabrication tools on organic material.*

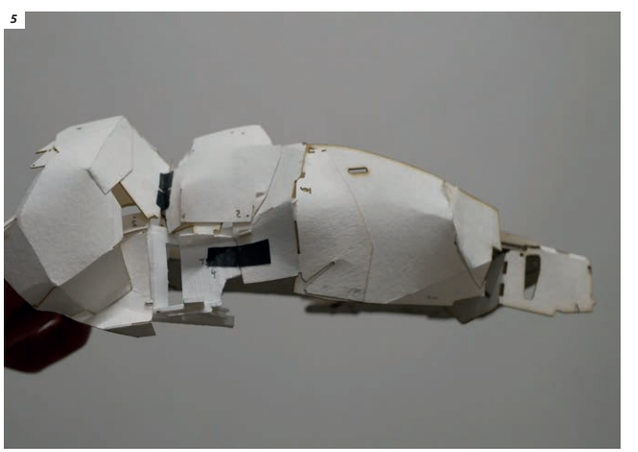
3

◂ ***Etched Zinc*** *Etched and engraved metal plate, a test of patterning and layering techniques for potential use in architectural detailing.*

4

▴ ***Nesting (2023)*** *Development of architectural fragments that naturally nest together, but have a degree of movement, allowing for a shifting architecture. Pieces were developed in wax, hand carved to find the perfect fit, then scanned to allow digital development. Once perfected the pieces were SLR printed.*

5



▴ ***A Wrapper (2019)*** *A study to explore how laser cut fragments could stack to obscure a view into a space. Pieces were cut with no clear intention of their final position, allowing for constant redevelopment.*

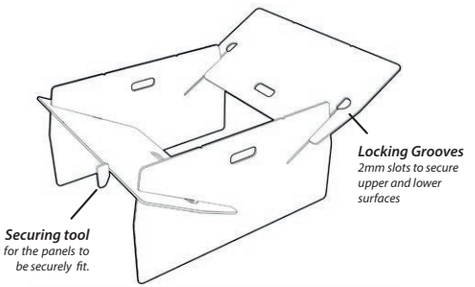
Professional Fabrication

4.2 Small Scale Production ►

Since graduating, I've continued to design, develop, and fabricate a range of personal projects and commissions, including shelving, fire pits, tools, and cycling equipment, all tested in real-world use. Building on my postgraduate research, where I constructed a micro CNC unit, I've focused on making advanced fabrication methods more accessible and adaptable at a domestic scale.

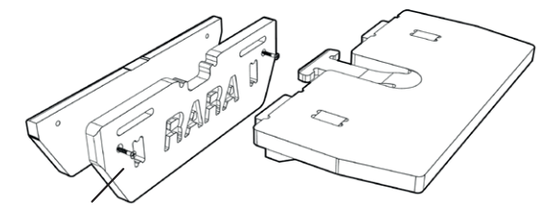
This has included developing a flatpack birch ply CNC enclosure, alongside a series of tools and upgrades to expand a home-based fabrication setup. More recently, I've incorporated a second-hand CNC into my workflow, allowing me to refine and extend my design process while remaining cost-conscious.

1



◄ ***Portable Fire Pit***
A portable fire pit designed for short hikes and overnight trips, made from 2mm steel. The four stackable sections nest together for easy transport and can be split for shared carrying. The design features air holes for ventilation and 0.5mm tolerance for steel expansion, with small indents for marshmallow toasting.

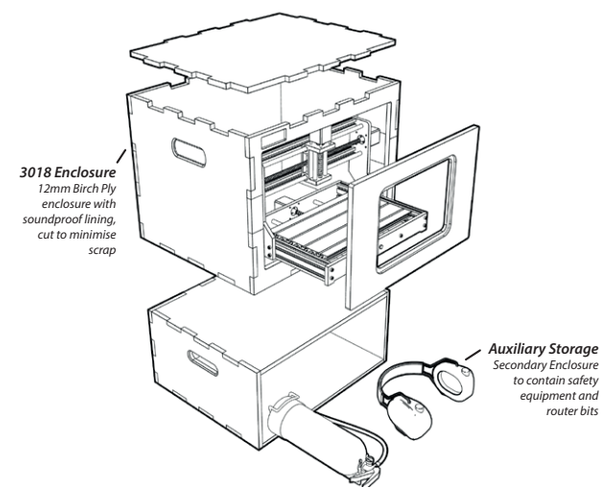
2



◄ ***Compliant Shelf***
Explorations for RARA on compliant furniture, repurposed as a C-clamp shelf. The shelf is milled from two offcuts of 9mm ply in two passes. Material is removed from the front panel to allow the latch to bend upwards and lock over the front plate without fixings or adhesives.

Designed as open-source, this piece allows makerspaces to modify the design as needed for different applications.

3



◄ ***Birch ply CNC Enclosure***
To house a self assembled 3018 CNC Machine used in postgraduate studies, the 12mm birch ply enclosure allowed for continued milling from home post graduation, maximising digital fabrication accessibility.

The enclosure was cut on a full sheet piranha CNC. Laser cut 5mm Acrylic safety windows and 15mm fire retardant foam internals allow for safe and quiet milling from a home space.