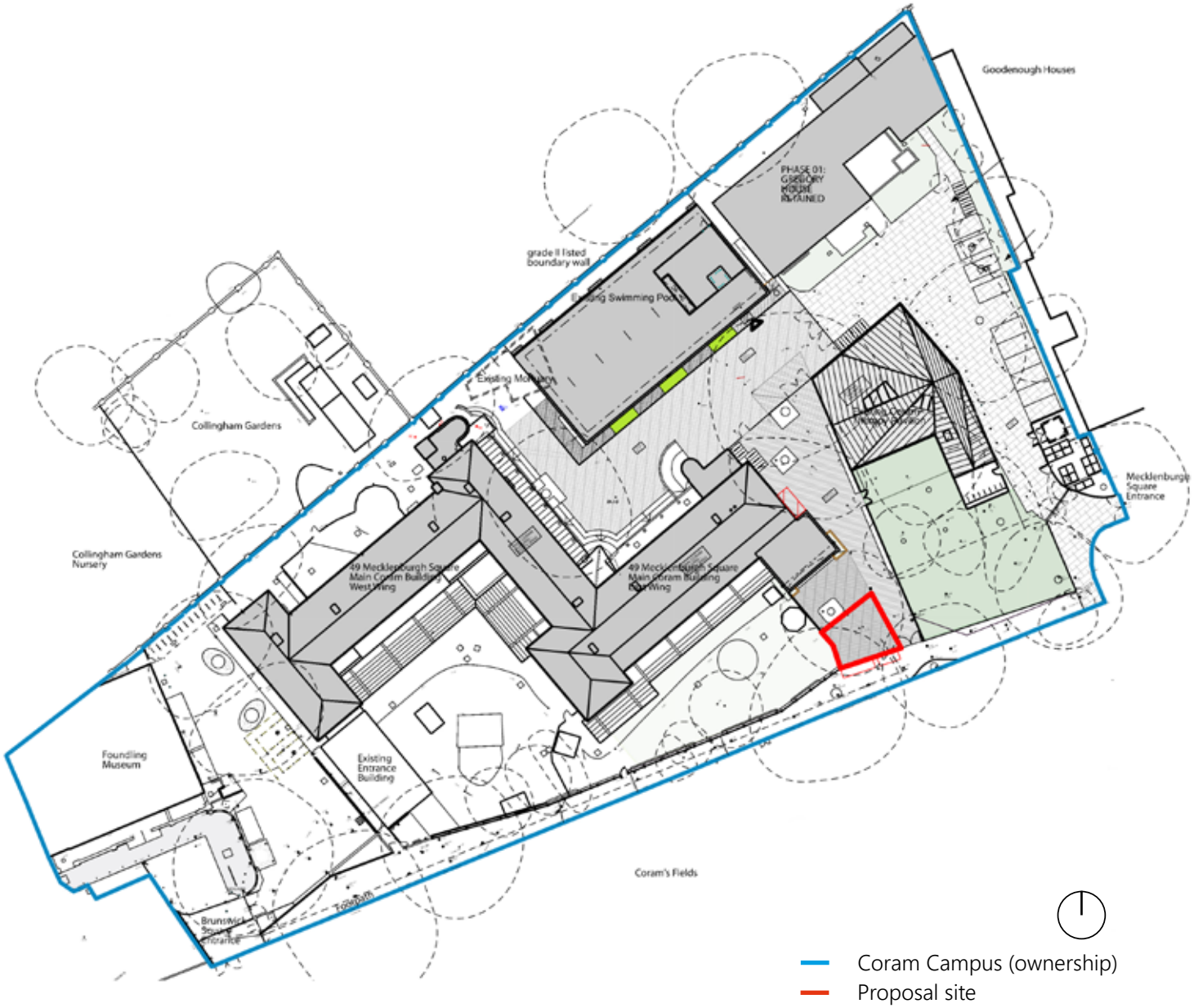
Coram East Wing Storage Shed

Design and Access Statement

January 2020

PHILIP MEADOWCROFT ARCHITECTS



Existing Site

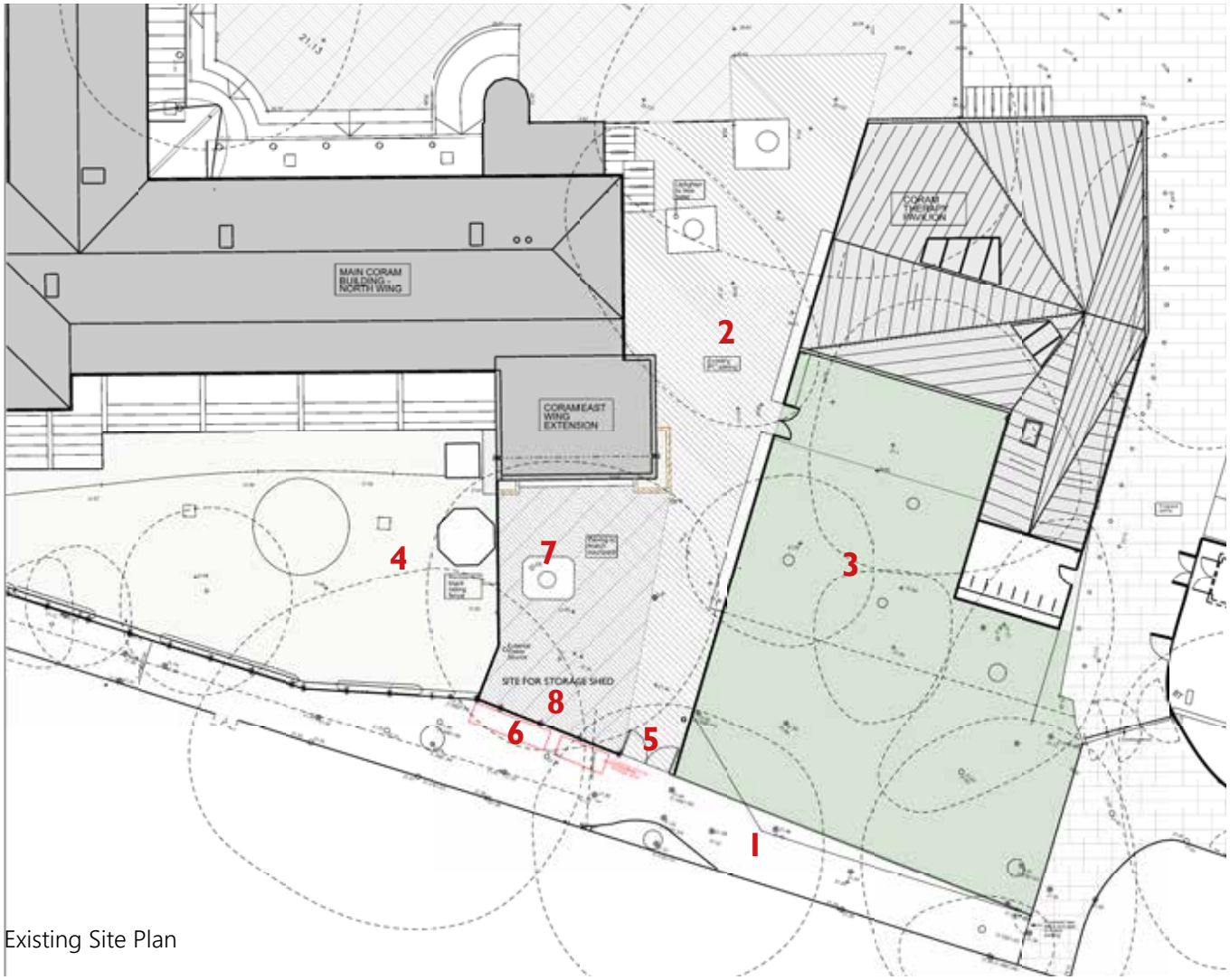
Existing site and aims

The site lies towards the south-east corner of Coram Campus (41 Brunswick Square WC1N 1AZ) adjacent to the boundary with Coram Fields football pitches to the south. The site lies on an open area which was previously used for temporary site accommodation during construction of the Queen Elizabeth II Centre and is currently open space with planning permission to be paved with precast concrete paving slabs to match the main pathway into the campus from the south. For the purposes of this application the concrete paving is shown as the 'existing' condition as this will be implemented shortly and it provides a more accurate context.

The aim of this proposal is to provide a much needed storage facility for the campus, to accommodate gardening and other equipment essential for the maintenance of the campus.

This report describes the design development of the proposal in relation to the current context.

1 Publicly accessible path
2 Main access path into Coram Campus
3 Creative therapy pavilion garden
4 Soft play area
5 Metal gate
6 Metal fence and cycle racks
7 Existing plane tree
8 Site for new storage shed



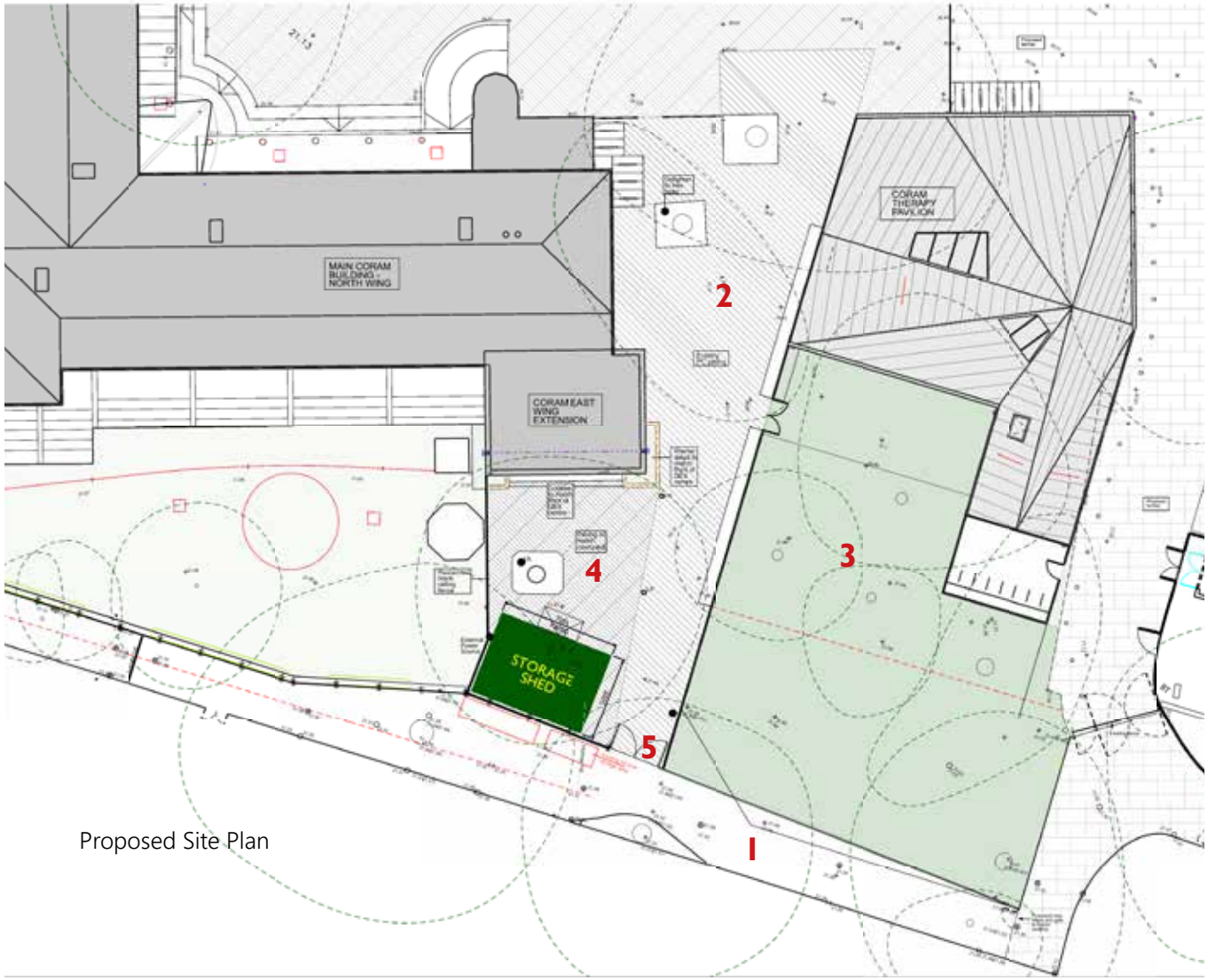
Existing Site Plan

Existing Site

The site lies next to the gates into the campus from the pathway that connects Brusnwick Square to Mecklenburgh Square and to the west of the paved pathway that leads to the Queen Elizabeth II Centre. It lies immediately behind the fence which will screen the shed from the path. This location has been chosen as it is one of the few remaining open spaces available and it is towards the centre of the campus with easy access to all areas.

View of site for new shed.

1 Publicly accessible path
2 Main access path into Coram Campus
3 Creative therapy pavilion garden
4 New paving to match main courtyard
5 Metal gates



Proposed Site Plan

Proposal

Plan

The proposal provides much needed storage within a proprietary PIR clad shed 5 x 7metres located so as to be easily accessible from within the campus. The shed will be used to store materials and equipment needed to maintain the extensive open spaces of the campus.

The area of the shed will not be paved but will be excavated and filled with 150mm compacted hardcore upon which will sit a 203x203mm steel frame upon which in turn will be bolted the steel frame forming the shed enclosure.

A paved ramp will rise from the paved area to floor level of the shed (approx 200mm).

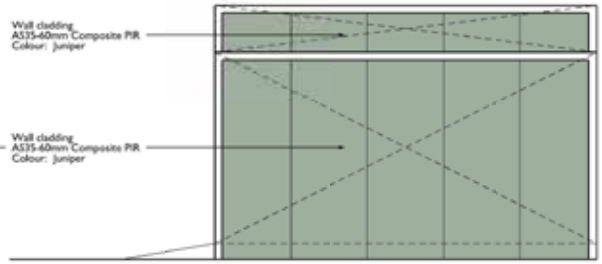
Proposal

Elevations

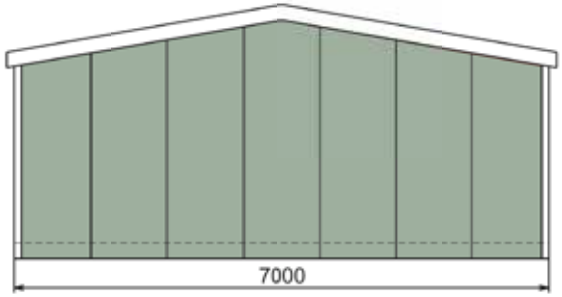
The drawings to the left show elevations of the shed which is single storey, 5 x 7 metres in plan, 2.5 metres high at the eaves and 3.117 metres high at the ridge. A large roller shutter door is located in the centre of the north-east facing elevation to provide generous access for gardening equipment. A personel door is located on the south-east elevation.

The shed is clad in PIR panels, colour 'Juniper'.

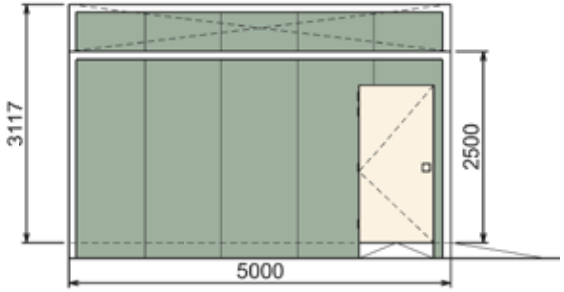
1 North-east elevation
1:50@A3



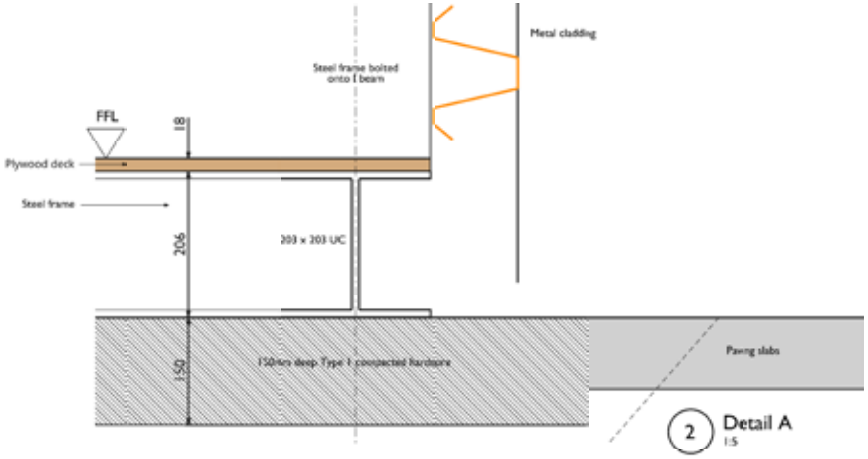
2 North-west elevation
1:30@A3

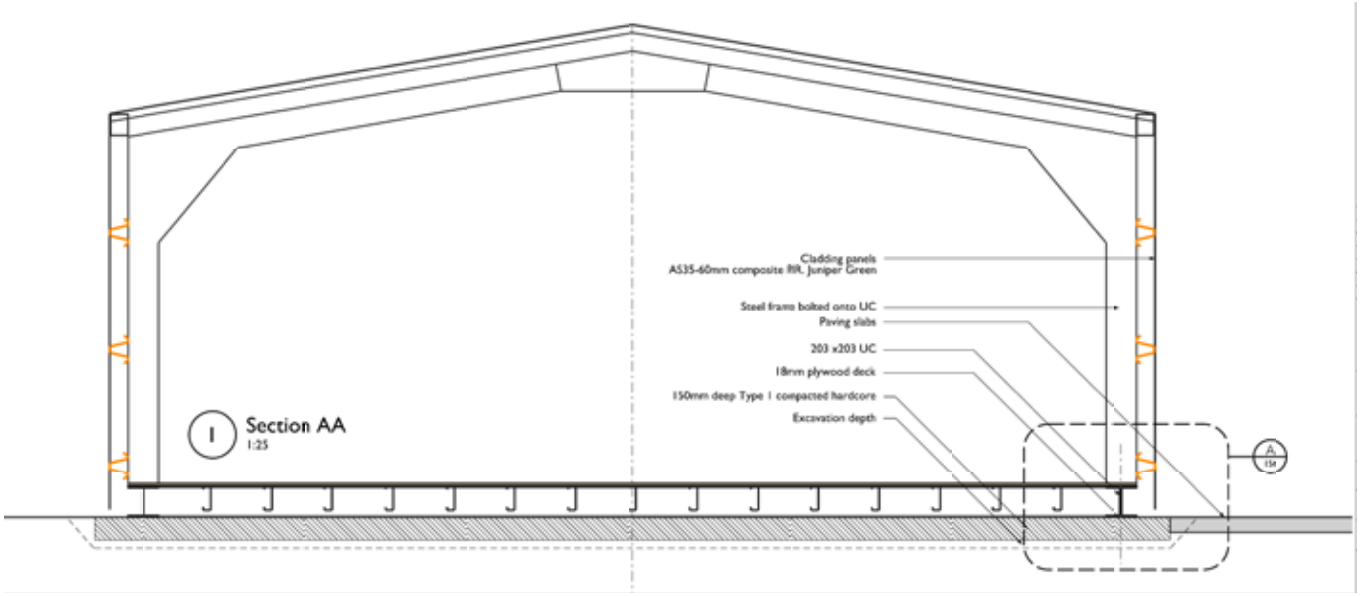


3 South-west elevation
1:50@A3



4 South-east elevation
1:50@A3





Section through long axis

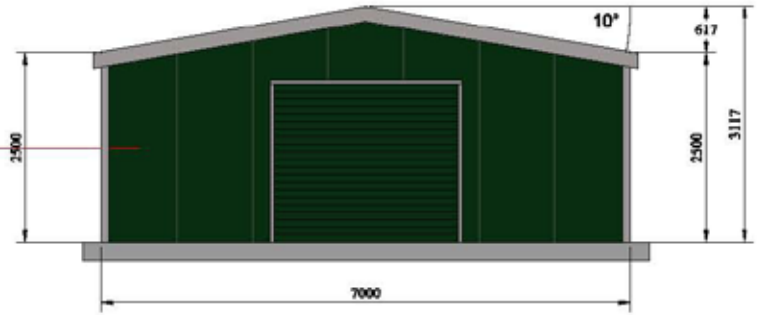
Materials and details

The building is a proprietry shed by Capital Steel Limited and supplied by Murray Steel Buildings. It consists of a steel portal frame bolted to a 203 x 203 UC ring beam sitting on hardcore. Cladding is Juniper green PIR panels.

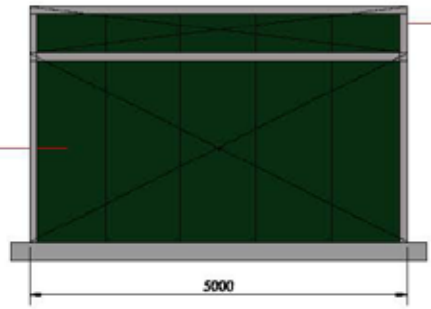
See following drawings showing Capital Steel Limited details.-

GENERAL NOTES:	3. DESIGN LOADS TO BS 6399-1:1997	4. WIND LOAD ACCORDING TO BS
1. ALL CLADDING TO BE CE MARKED AND HOT-DIP GALVANISED TO BS EN 10346:2009.	AND BS 6399-3:1997. DEAD LOADS:	6399-2:1997 WITH THE FOLLOWING
2. ALL STEEL (INCLUDING PURLINS) TO BE CE MARKED AND TO EXECUTION CLASS 2 AS PER EN 1090 - 1:2009 AND HOT-DIP GALVANISED TO BS EN 10346:2009 Fe E390G-Z275.	SW CONSIDERED INTERNALLY WITHIN PROGRAMME	PARAMETERS:
	-CEILINGS AND SERVICES = kN/m2	BASIC WIND SPEED = m/s
	-RAFTER CLADDINGS AND PURLINS = kN/m2	SITE ALTITUDE = m
	-COLUMN CLADDINGS AND RAILS = kN/m2	SITE ALTITUDE FACTOR =
	-SNOW LOAD = kN/m2	SEASONAL FACTOR = DIRECTION FACTOR =
	-LIVE LOAD = kN/m2	SITE DISTANCE FROM SEA = Coastal
		5.ALL STEEL TO HAVE YIELD STRENGTH Py = 450 MPa.

Materials and details



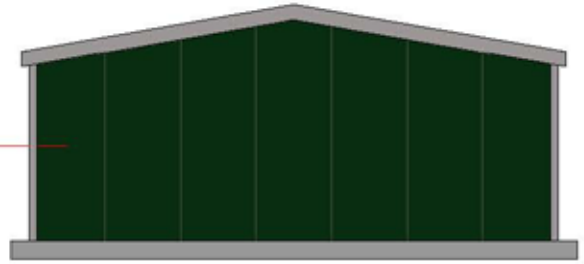
Wall Cladding Front Elevation (External)
AS35-60mm Composite PIR
(Colour: Juniper Green)



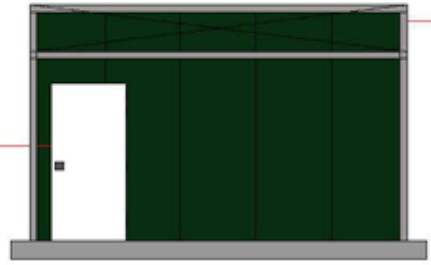
Wall Cladding
AS35-60mm Composite PIR
(Colour: Juniper Green)

Left Elevation (Scale = 1:100)

Roof Cladding
AS35-60mm Composite PIR
(Colour: Juniper Green)



Back Elevation (Scale = 1:100)



Right Elevation (Scale = 1:100)

Capital Steel Limited
Web: www.capitalsteelbuildings.co.uk
Email: info@capitalsteelbuildings.co.uk

Supplied By: Murray Steel Buildings
Phone 01383 668820
Email peter@murraysteelbuildings.com

Customer: Terry Woodham
Specialist Fit Out Contractors, Block A Unit 3, Nup End Industrial Estate, Nup End, Old Knebworth, KNEBWORTH, SG3 6QJ

GENERAL NOTES:

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-SNOW LOAD = kN/m2
-LIVE LOAD = kN/m2

4. WIND LOAD ACCORDING TO BS 6399-2:1997 WITH THE FOLLOWING PARAMETERS:
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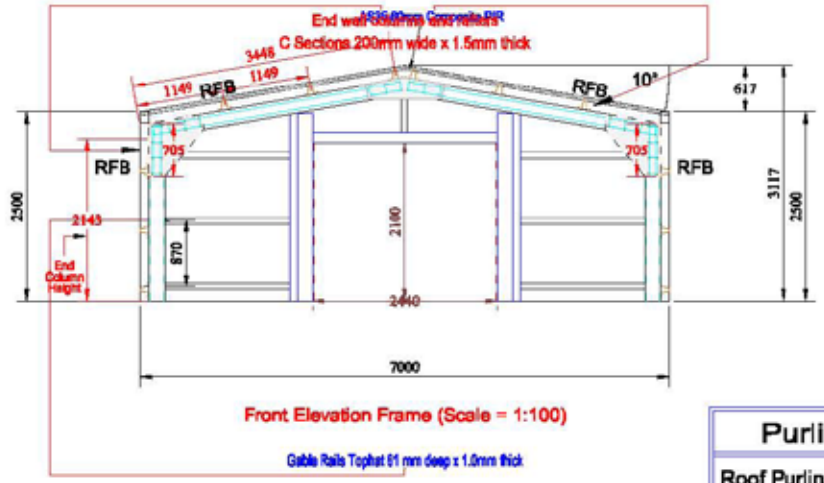
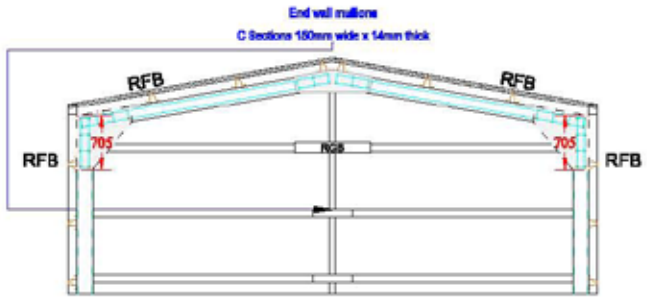


Front Elevation Frame (Scale = 1:100)

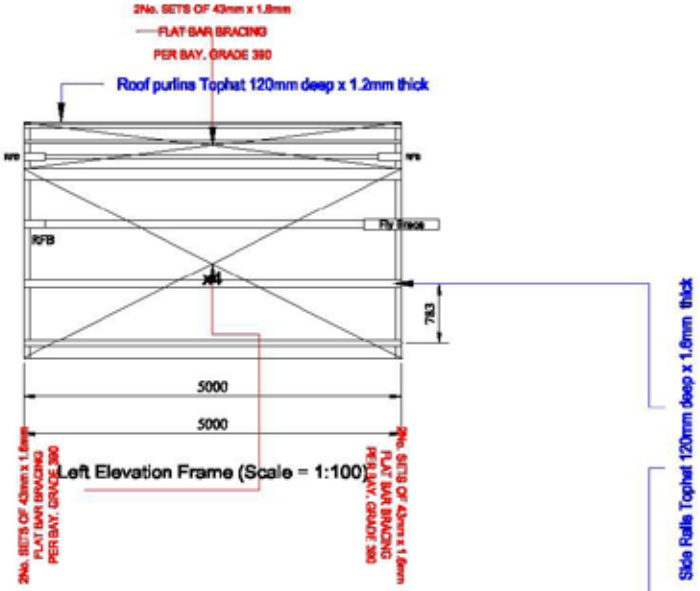
Gable Rails Tophat 61 mm deep x 1.0mm thick

Purlins and Rails		
Roof Purlins	TH121245	at 1.163
Side Rails	TH121645	at 1.07
Gable Rails	TH6110	at 1.163

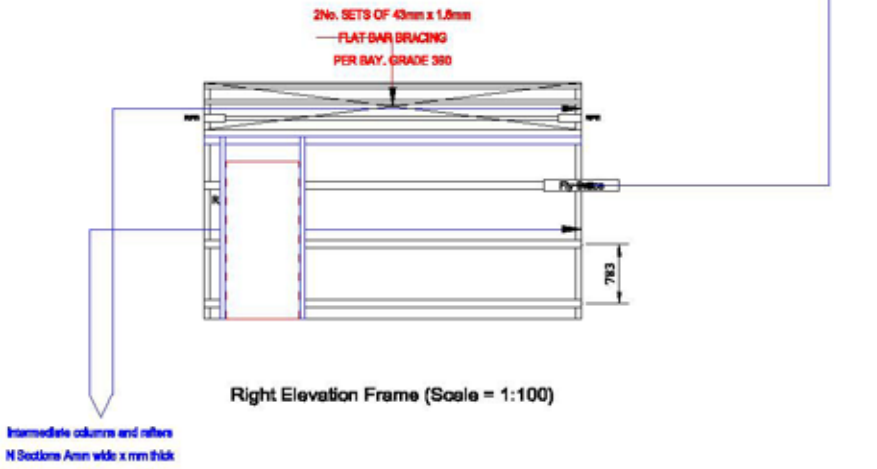


Back Elevation Frame (Scale = 1:100)

Materials and details



Left Elevation Frame (Scale = 1:100)



Right Elevation Frame (Scale = 1:100)

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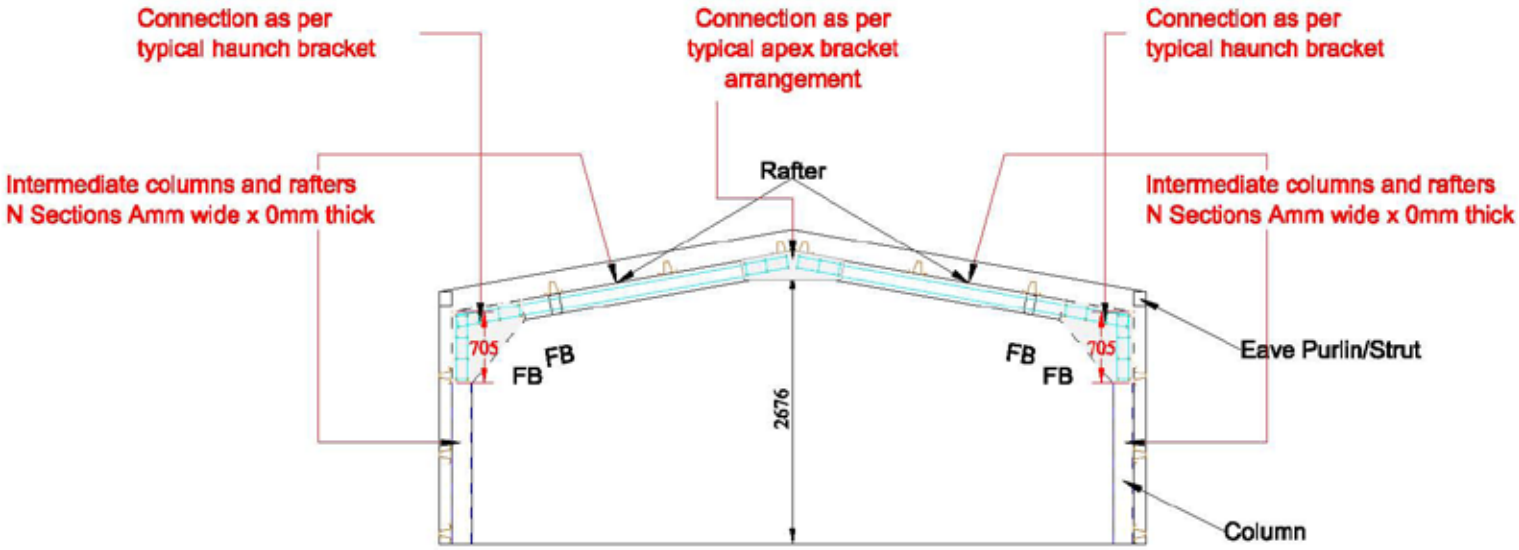
Materials and details



Cross Section (Scale = 1:75)

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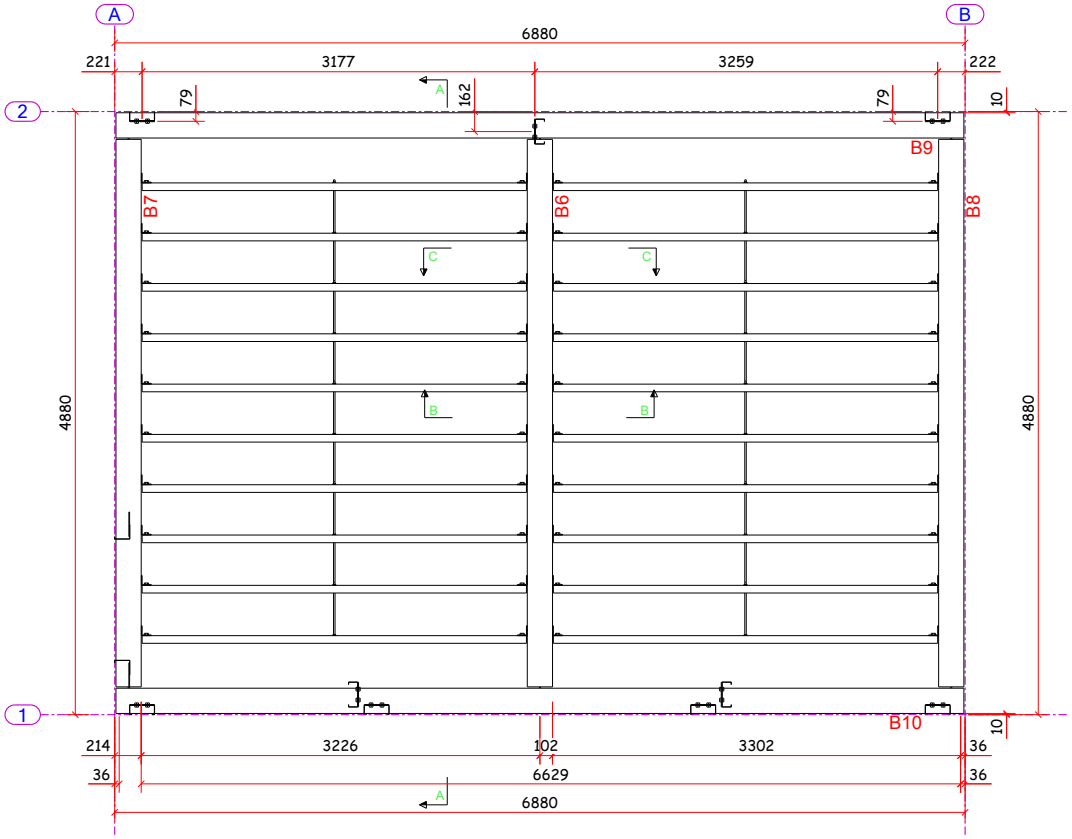
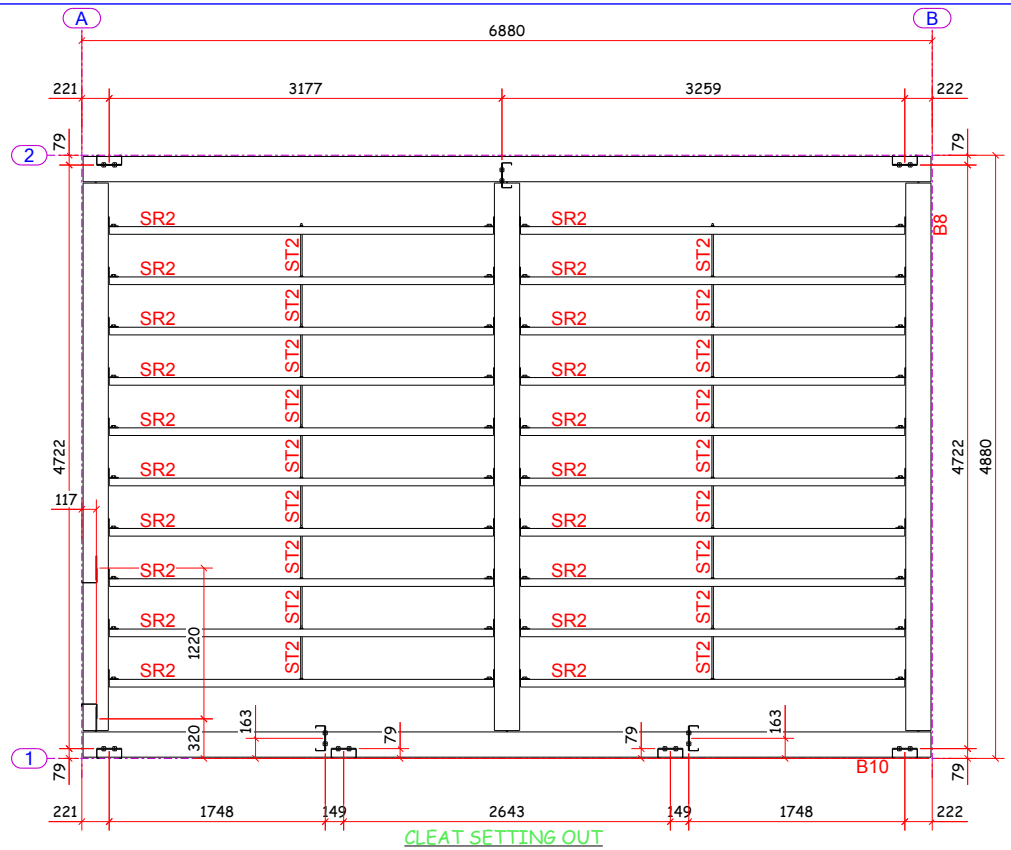
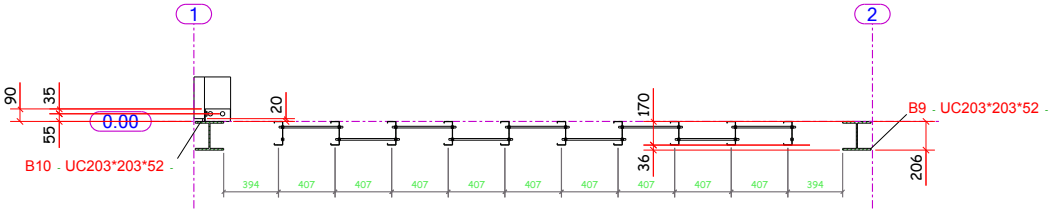


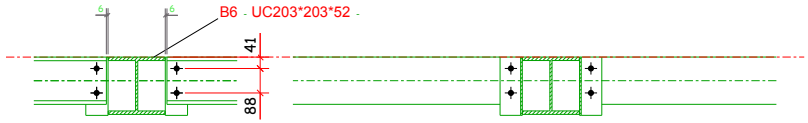
STRUCTURE SETTING OUT



CLEAT SETTING OUT



A - A



B - B

C - C

TOTAL WEIGHT = 1.6 tonne

REV MARK	DESCRIPTION	CREATED By	CREATED Date	CHECKED By	CHECKED Date
A		PW	13.12.2019		

PML Metal Fabrications

DRG ADDRESS

Powered by Trimble Tekla

DRAWING TITLE	PLAN @ FFL		
CONTRACT	Coram Base Frame Frame		
MODELLED BY	DRG MODELLED	**ISSUE DATE**	
CONTRACT NO	PW230	**SCALE**	1:10 1:20 1:22.5
DRAWING No	G [1]	**REVISION No.**	B