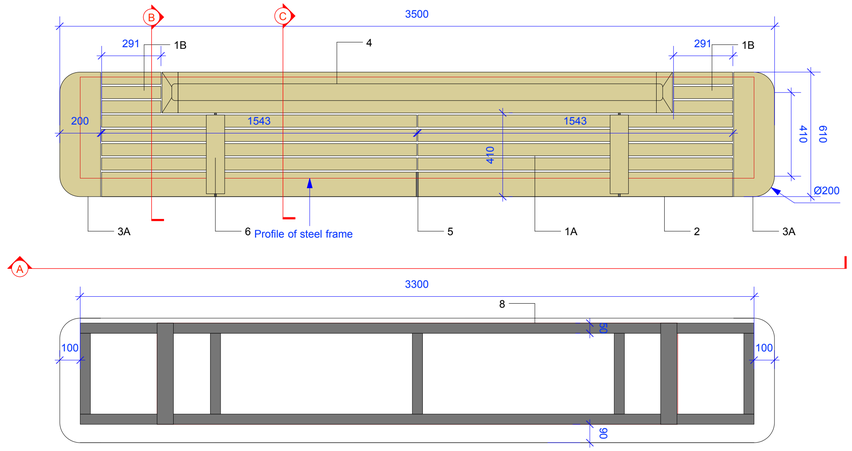
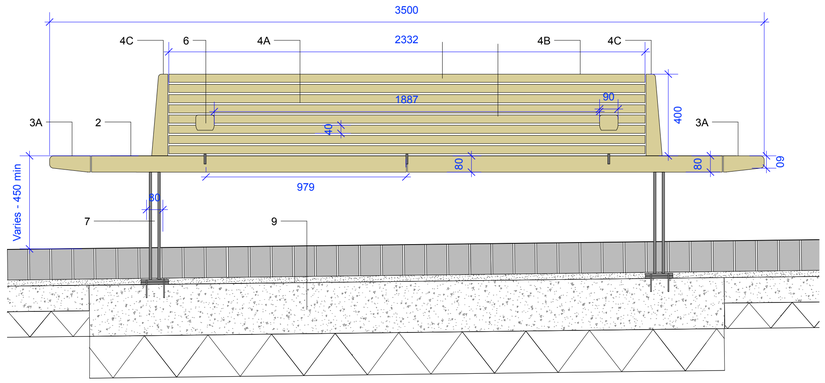
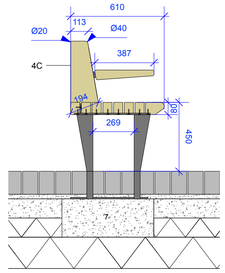


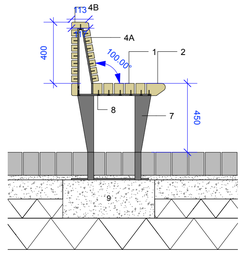
1 Freestanding Bench - Plan View
Scale 1:15



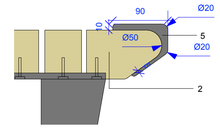
2 Freestanding Bench - Elevation A
Scale 1:15



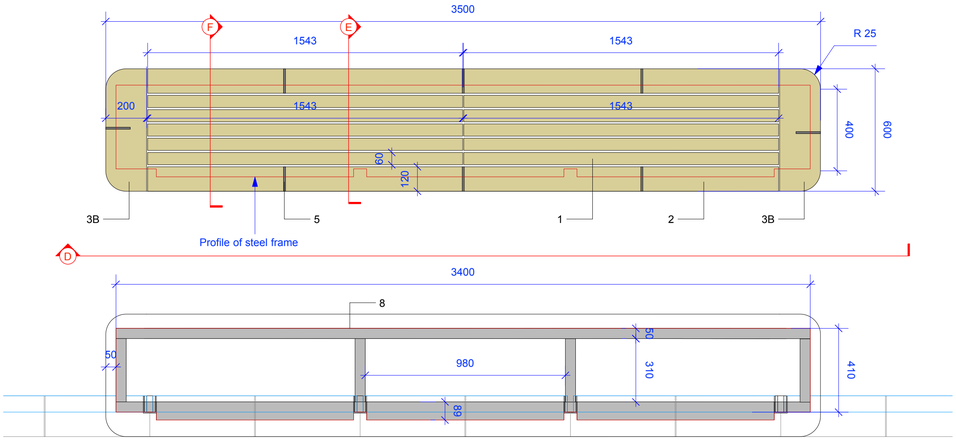
3 Freestanding Bench - Section B
Scale 1:15



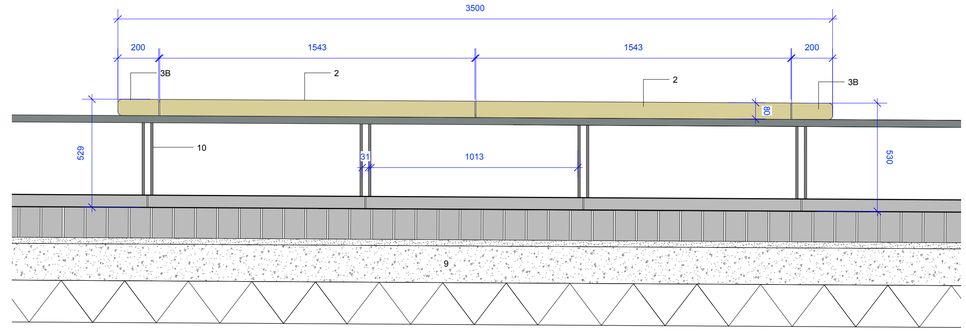
4 Freestanding Bench - Section C
Scale 1:15



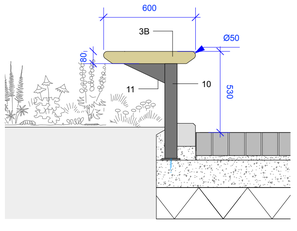
8 Anti-Skate Detail
Scale 1:5



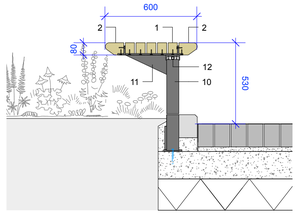
5 Railing Bench - Plan View
Scale 1:15



6 Railing Bench - Elevation D
Scale 1:20



7 Railing Bench - Section E
Scale 1:15



9 Railing Bench - Section F
Scale 1:15

© THIS DRAWING IS COPYRIGHT PROTECTED AND MAY NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN AUTHORITY FROM THE OWNER.
© Planit Intelligent Environments Limited

NOTES:
1. Do not scale from this drawing.
2. Always work to noted dimensions.
3. All dimensions are in millimetres unless otherwise stated.
4. All setting-out, levels and dimensions to be agreed on site.
5. The dimensions of all materials must be checked on site before being laid out.
6. This drawing is to be read with the architectural and engineering drawings and detail drawings.
7. Order of construction and setting out to be agreed on site.

For location of benches refer to drawing: OTH-PLA-EE-ES-DWG-L-4000

Refer to specifcation clauses:
Q50 220C - for freestanding benches

KEY

1. Central timber slats
Dimensions - 70mm (D) x 60 mm (W) x 1543mm (L)
Material: FSC hardwood certified timber
'Cumaru' slats on G316 galvanised steel frame.
All fixings: Tamper proof and counter sunk fixings to match frame.

2. Outer timber slats
Dimensions - 80mm (D) x 120 mm (W) x 1543mm (L)
25mm bullnose to top of seating edge.
10mm bullnose to underside of seating edge.
Material: FSC hardwood certified timber
'Cumaru' slats on G316 galvanised steel frame.
All fixings: Tamper proof and counter sunk fixings to match frame.
Cut out detail to either end of slats to attach to steel frame as shown.

3. Timber end pieces
3A Dimensions - Tapering 60-80mm (D) x 200mm (W) x 610mm (L)
3B Dimensions - 80mm (D) x 200mm (W) x 600mm (L)
20mm bullnose to end profile.
25mm bullnose to tie into outer timber slats.
200mm curved radii to corners.
Material: FSC hardwood certified timber
'Cumaru' slats on G316 galvanised steel frame.
To be made from single piece of timber as indicated on drawings.

4. Tapering backrests
Material: FSC hardwood certified timber 'Cumaru'
Mechanically fixed to to galvanised steel frame.
4A - Central slats:
Dimensions: 40mm (D) x 40mm (W) x 1332mm (L)
4B - Top piece
Dimensions: 40mm (W) x 113-117mm (D) with a 30mm bullnose x 1332mm (L)
4C - Special end piece:
Dimensions: 30-78mm (W) with 15mm bullnose x 113-179mm (D) with 30mm bullnose
Overall height - 465mm Mechanically fixed to to galvanised steel frame.

5. Bronze anti skate fixings
To outer timber slats. To sit within groove cut into outer slats at 979mm centres. Hidden tamper proof and counter sunk fixings to match frame.

6. Armrests
G316 galvanised steel support to to be inlayed into timber top, mechanically fixed to steel frame of backrest. Hidden steel support frame.
FSC hardwood certified timber 'Cumaru' top with tapering profile.
Dimensions: 90mm (W) x 38-64mm (D) with 10mm bullnose to all corners.

7. Bench Footings
Material: galvanised steel with painted finish.
Colour: TBC
Hidden tamper proof and counter sunk fixings to match frame.
Mechanically fixed to concrete foundations to engineer's details.
Footings height to accomodate finished floor gradient to allow for a level bench top.

8. Galvanised steel frame
To sit above and be fixed to stone footings as shown. Fixings to engineer's specification.

9. Concrete foundations to engineers specification
Refer to Ramboll drawings OTH-RAM-EE-ES-DWG-N-0106 & OTH-RAM-EE-ES-DWG-N-0107

10. Planter railings
Refer to drawings OTH-PLA-EE-ES-DWG-L-5013 & 5014

11. Galvanised steel frame supporting bracket
To engineer's specification.

12. LED Luminaires
Integrated within railing. Refer to detail OTH-PLA-EE-ES-DWG-L-5014
Supplier: LED Linear
Refer to Arup drawings for further details.

NOTE: Design subject to final approval of manufactureres fabrication drawings, all measurements to be checked on site prior to ordering and fabrication.

Revision Notes:
1. Construction Issue

C01	01/04/21	Construction Issue	SR	MS
03	06/09/19	Planning Issue	SR	MS
02	26/07/19	Stage 4 Issue	SAB	MS
01	29/05/19	Stage 3+ Issue	SR	MS

Revision	Date	Description	Drawn	Apprvd.

Planit I.E. Limited
E: info@planit-ie.com W: planit-ie.com
MANCHESTER
2 Back Grafton St , Altrincham, WA14 1DY
T: 0161 928 9281
LONDON
Unit 6 Waterside, 44-48 Wharf Road, London, N1 7UX
T: 0207 253 5678
LIVERPOOL
Tempest 5.3, 12 Tithebarn Street, Liverpool, L2 2DT
T: 0151 363 1230

Client: Manchester City Council

Project: Our Town Hall

Drg Title: Seating Details - Freestanding Bench & Rail Top Bench

Created on	Created by	Approved by
27.05.19	SR	MS/KR

Scale	Size	Workstage
As shown	A1	Stage 5

Drg No.	Suitability	Revision
OTH-PLA-EE-ES-DWG-L-7002	S4	C01

© Planit I.E. Limited