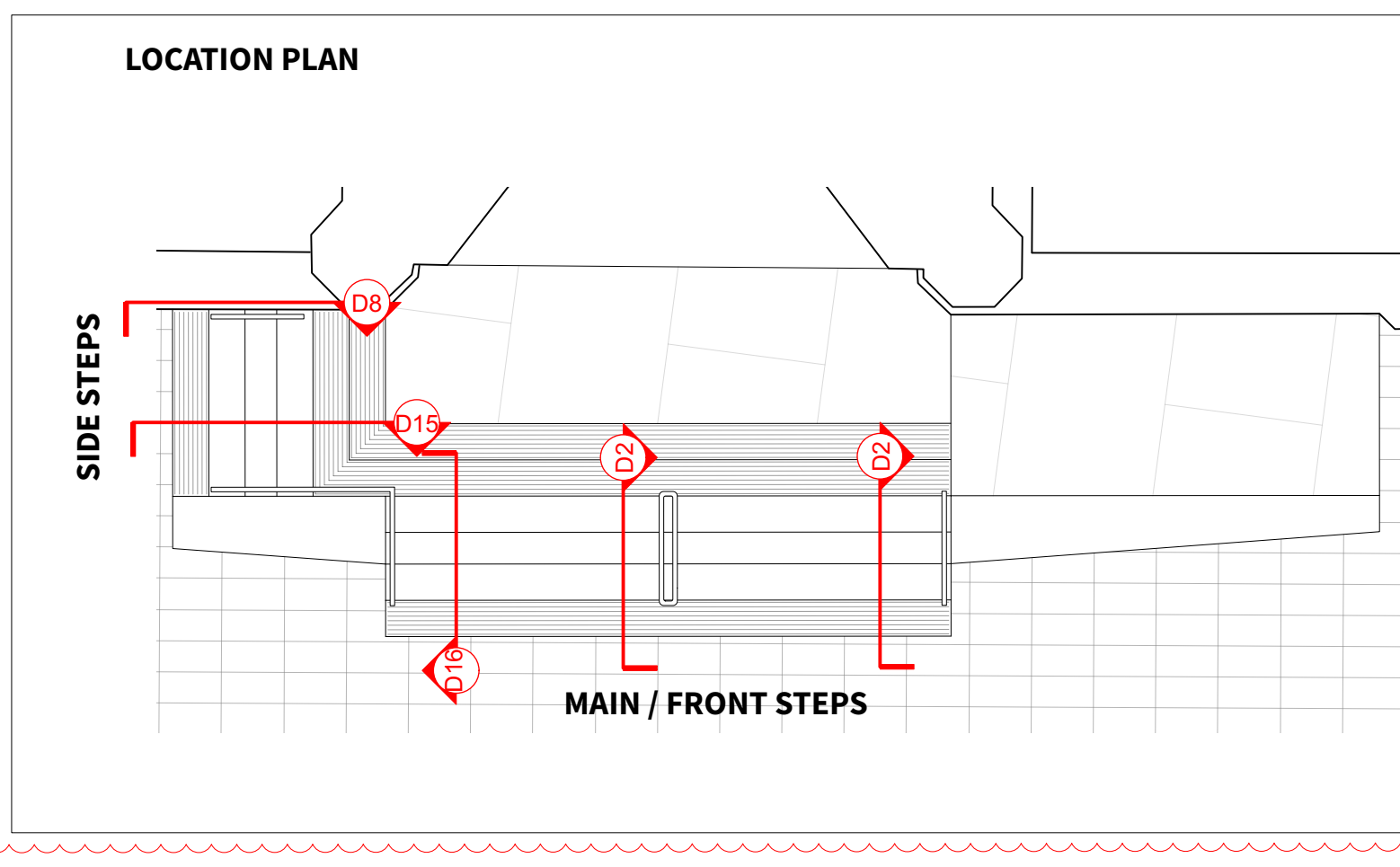
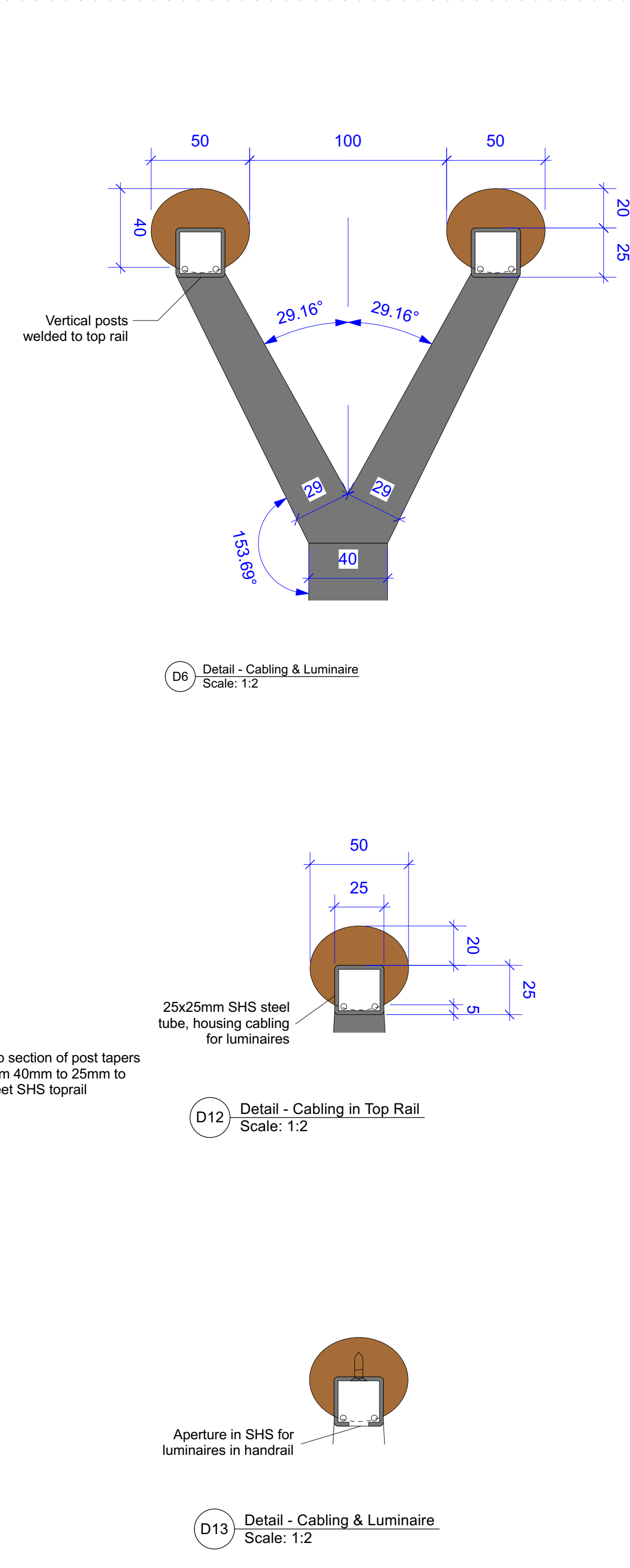
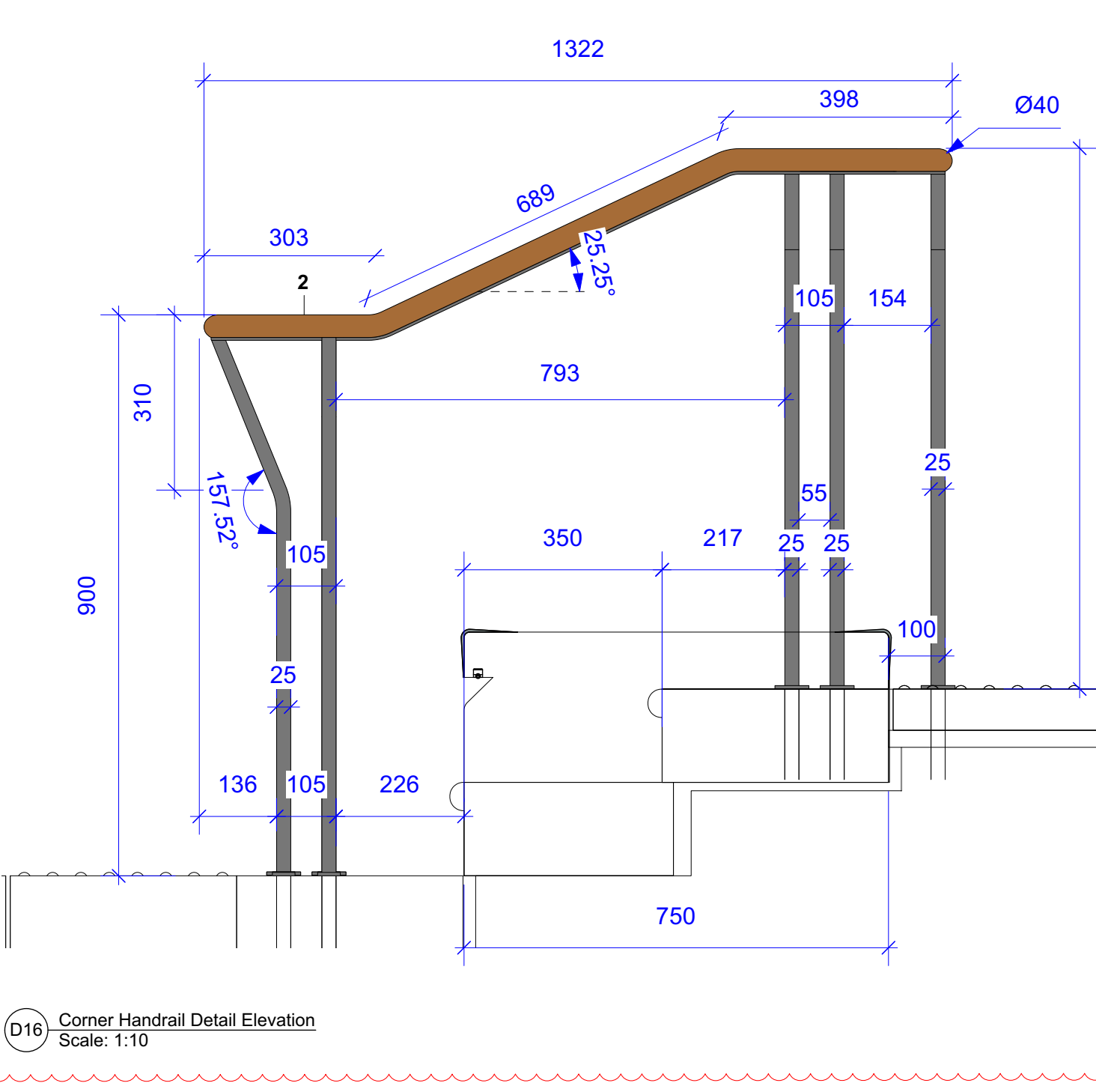
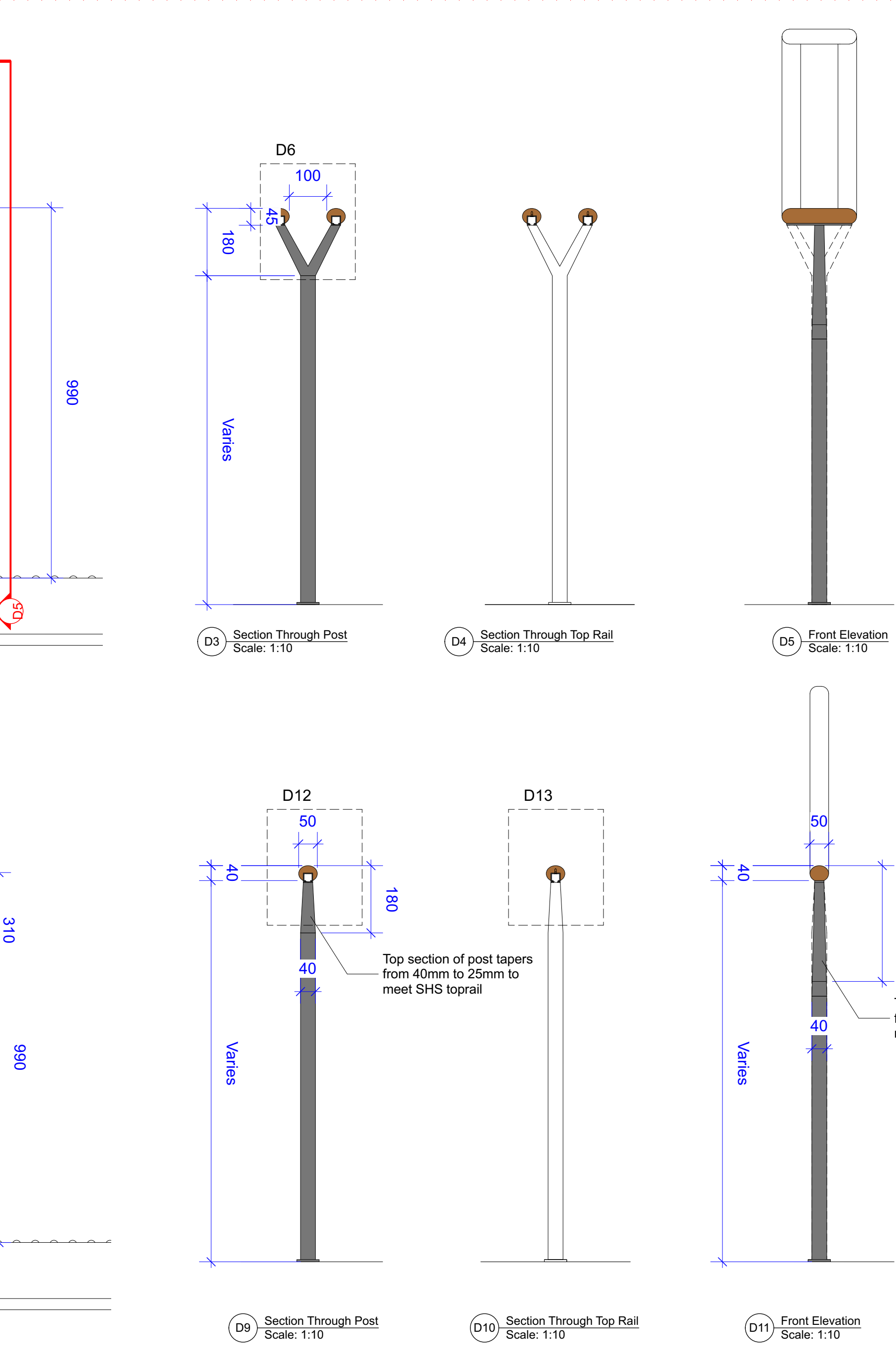
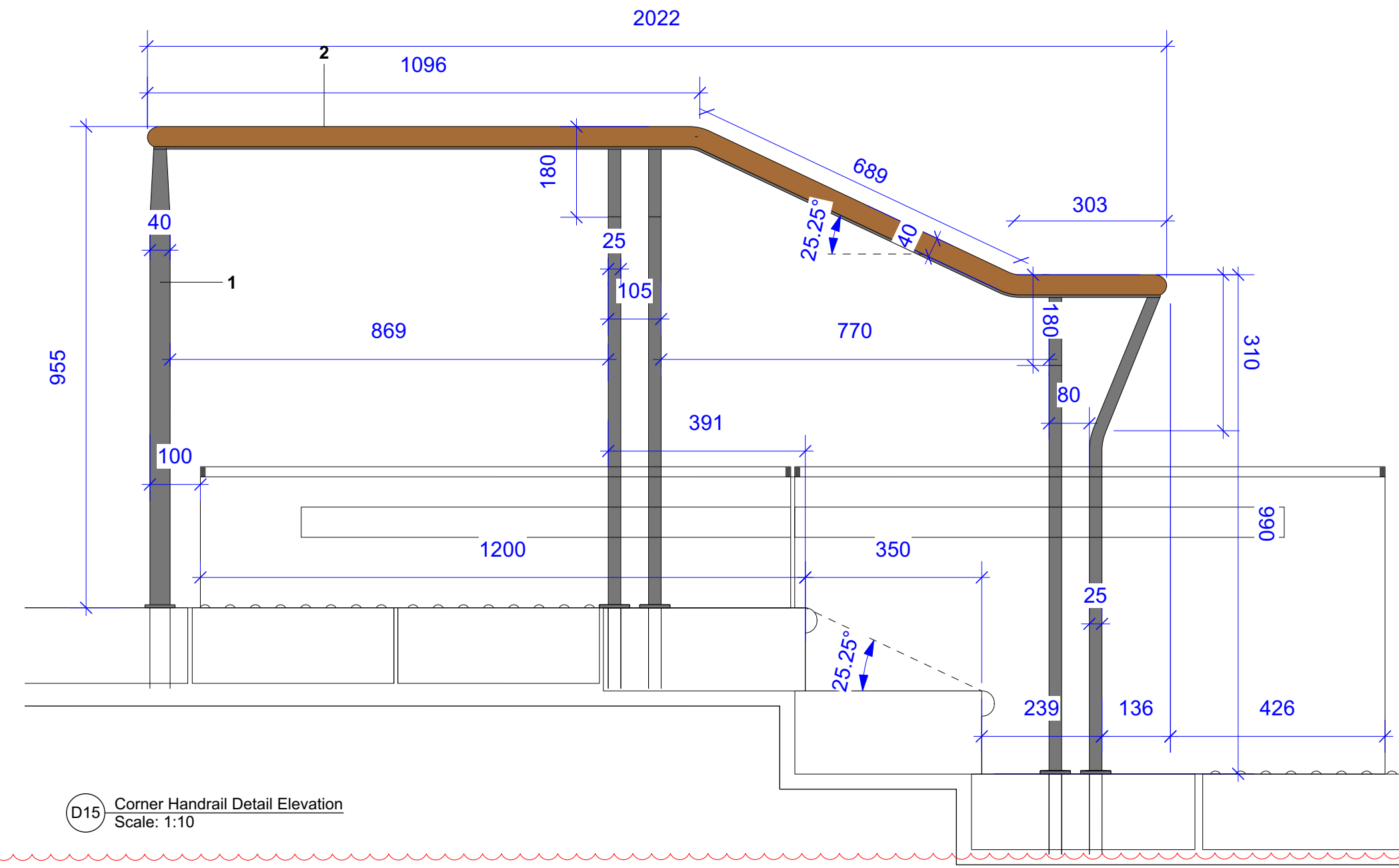
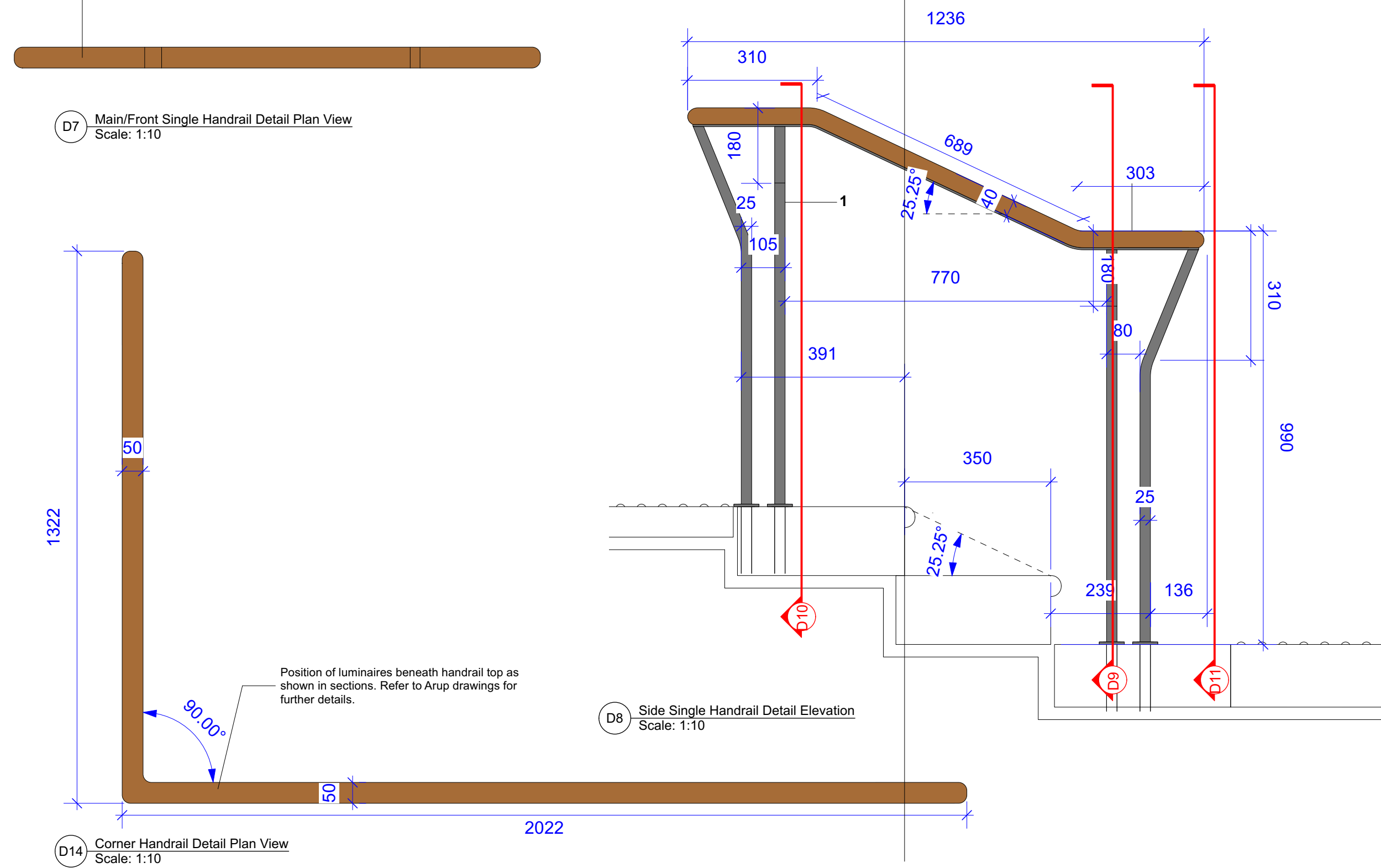
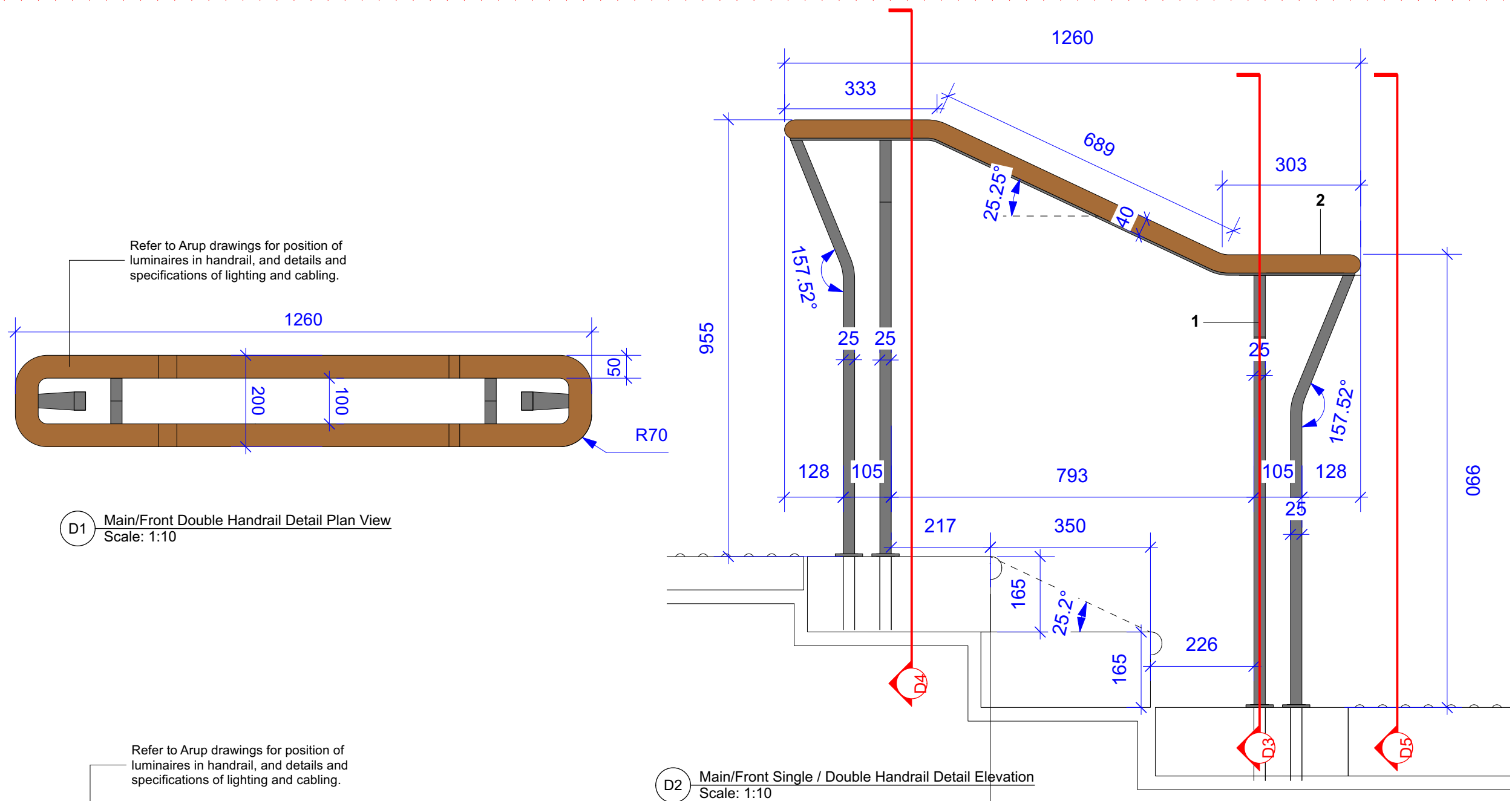




NOTES

1. Drawings shall be in accordance with the following:
2. Dimensions shall be in millimetres unless otherwise stated.
3. All dimensions shall be in millimetres unless otherwise stated.
4. All dimensions shall be in millimetres unless otherwise stated.
5. The dimensions of all materials shall be checked on site before being used.
6. The dimensions of all materials shall be checked on site before being used.
7. The dimensions of all materials shall be checked on site before being used.

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

Inclusive design: Design must be in accordance with Building Regulations (E&W) Approved Documents M and K and BS 8300:2009, highlight discrepancies identified.

1. Painted Stainless Steel Handrail

Main structure (including vertical posts) to be fabricated from forged Grade 316 stainless steel solid bar with painted finish.

- Dimensions and profiles: as shown.
- Height (to upper surface of handrail): as shown.
- One vertical post on each handrail to have channel/aperture for cabling to power integrated light fitting to handrail. To be fabricated from two separate steel bars with routed channel welded together and dressed to provide seamless finish.
- Joints: continuously welded. Welds to be filed and sanded to smooth radius and finish.
- Painted finish to metalwork: refer to clause L37/1508.
- Method of fixing: Handrail posts to be root fixed through stone step units to concrete pavement foundation, using high strength epoxy resin to supplier's fixing details. Allow for approx. 300mm deep core drilling through stone steps and concrete foundation on site.
- Accessories: Footplate collars around posts to conceal core drillholes, bonded to the finished surface. 80mm diam. disc 4mm thick. Grade 316 stainless steel, painted finish as other elements. Ensure core hole is no larger than collar.

2. Handrail / Top Rail

Handrail element to be 50mm x 40mm rounded / oval profile hardwood timber. To be mechanically fixed to SHS stainless steel tube, Grade 316 as shown.

- Timber element to be mechanically fixed to handrail frame using concealed tamper proof fixings to underside of top rail at 300mm centres.
- Timber to handrail: FSC certified quarter sawn teak hardwood timber, to have special end profiles as shown on detail drawings.
- Timber to be finished with: Omnia Clear Lacquer system, including Wood Protect, End Grain Sealer and Clear Exterior topcoats, to be installed in line with supplier's recommendations.
- Handrail to have aperture to centre to accommodate light fitting / housing and cabling route as shown.

3. LED Luminaire

To be integrated within handrail to provide downward illumination. Refer to Arup drawings for further details of lighting and cabling requirements.

Refer to Arup Public Realm Lighting Drawing OTH-ARU-EE-ES-DWG-E-15401 and any associated drawings and specifications.

For location of handrails refer to drawing: OTH-PLA-EE-ES-DWG-L-4001

Revision Notes:

Amendments to handrail top and posts following review with Topp&Co.
Preservative treatment updated.

Revision	Date	Description	Drawn	Apprvd.
C04	10/01/25	Handrail top and post amended	SC	MS
C03	30/10/24	Additional dims added	SC	MS
C02	27/09/24	Construction Issue	SR	MS
C01	01/04/21	Construction Issue	SR	MS
04	26/02/21	Stage 4 Issue (Re-Coordination)	SR	MS
03	08/01/21	Stage 4 Issue	SR	MS
02	06/09/19	Planning Issue	SR	MS
01	26/07/19	Stage 4 Issue	SR	MS

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Client Manchester City Council

Project Our Town Hall

Drg Title Cooper Street Handrail Details

Created on 25.07.19 **Created by** SR **Approved by** MS/KR

Scale As shown **Size** A1 **Workstage** Stage 5

Drg No. OTH-PLA-EE-ES-DWG-L-7008 **Suitability** S4 **Revision** C04

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