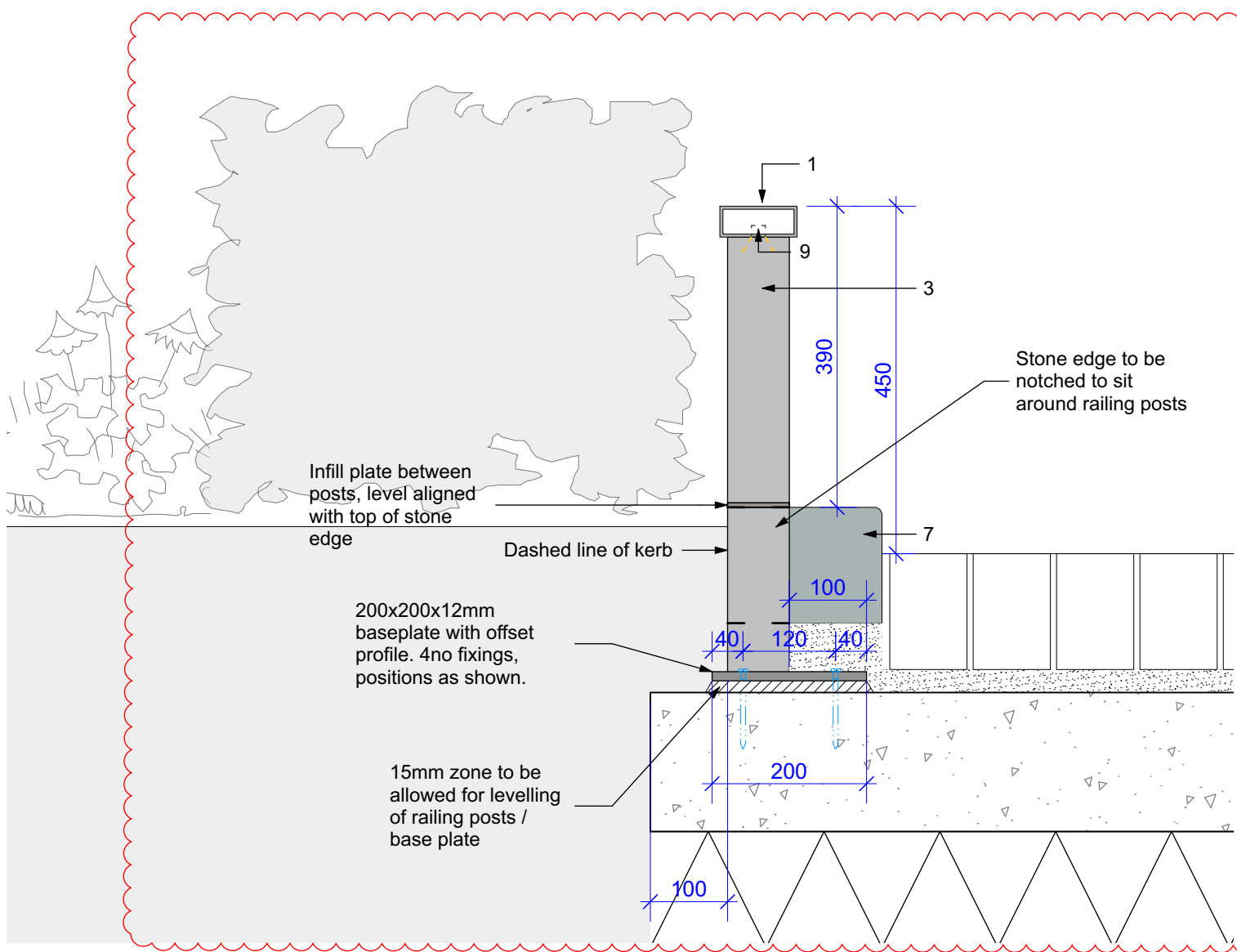
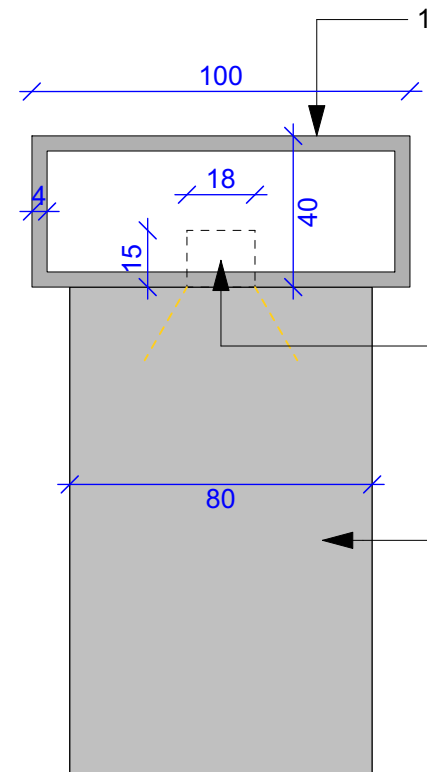
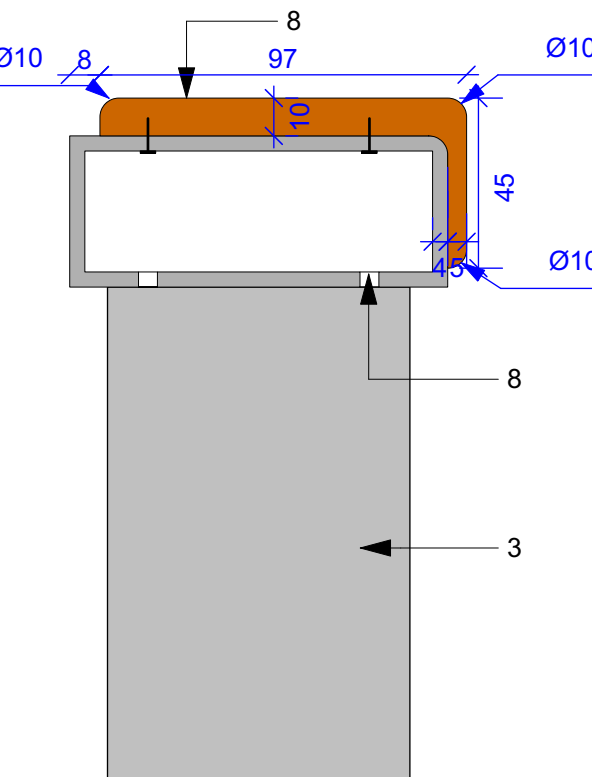




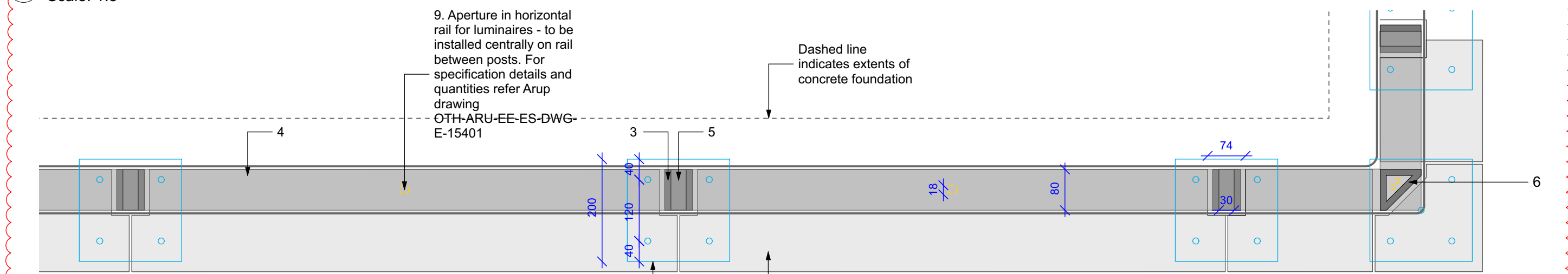
2 Detailed Section Through Railing Scale: 1:2



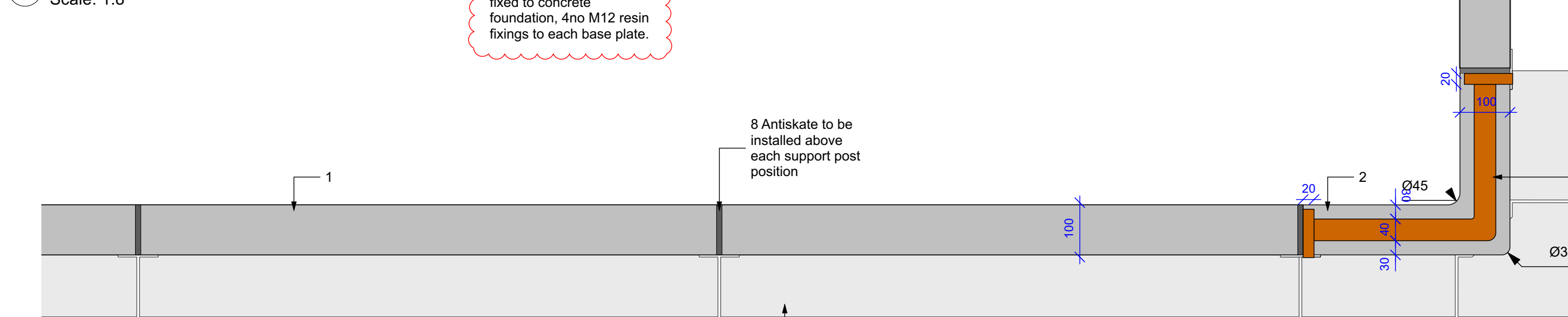
13 Detailed Section Through Anti Skate Scale: 1:2



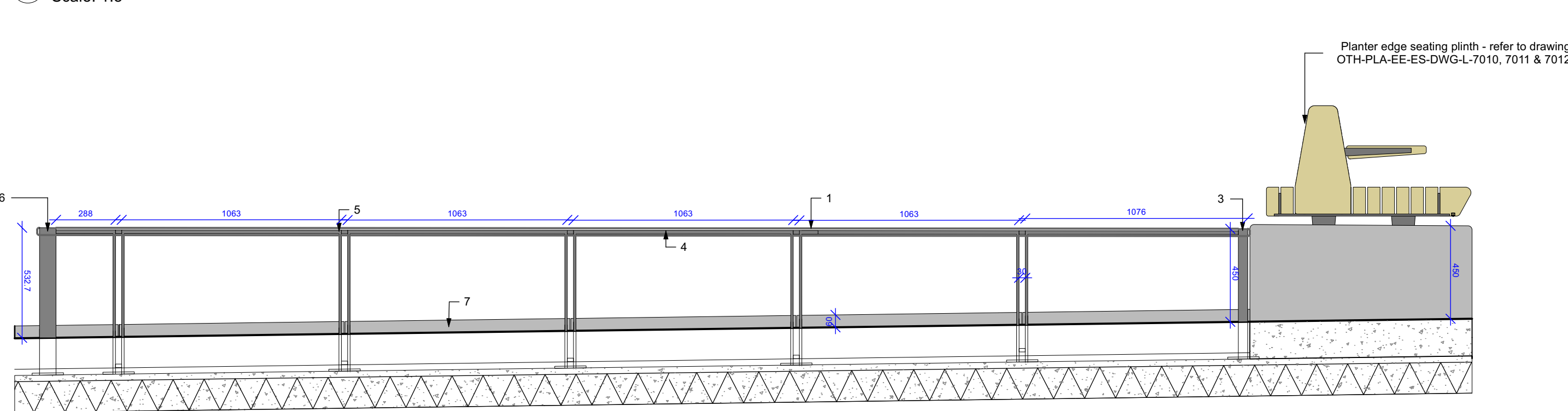
1 Typical Section Through Railing Scale: 1:8



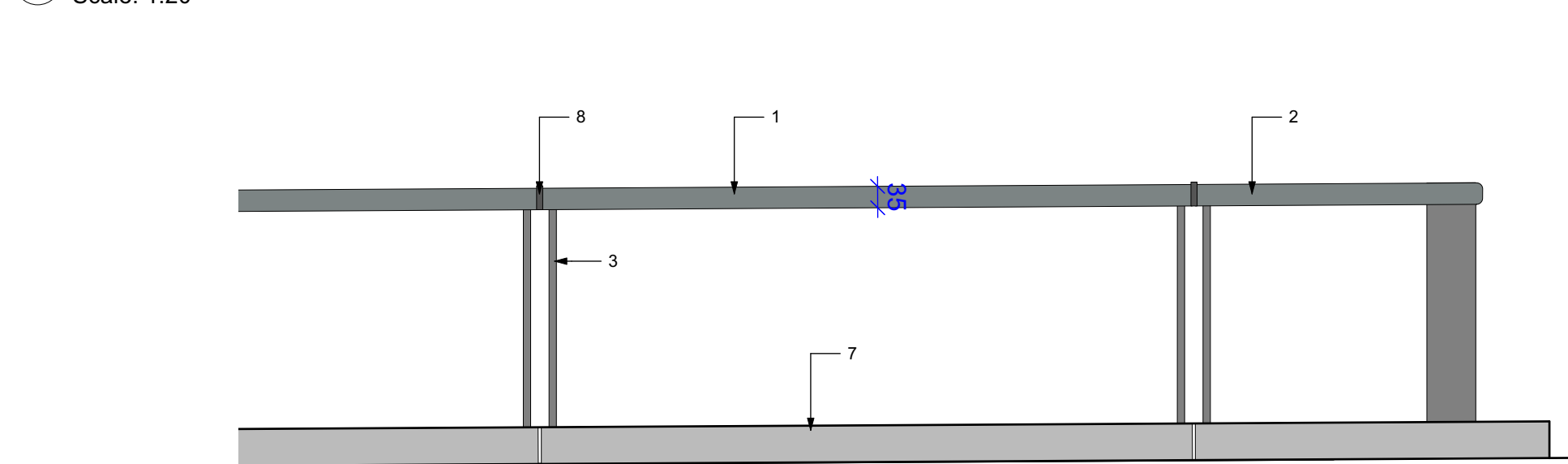
3 Railing Without Top Bar: Plan View Scale: 1:8



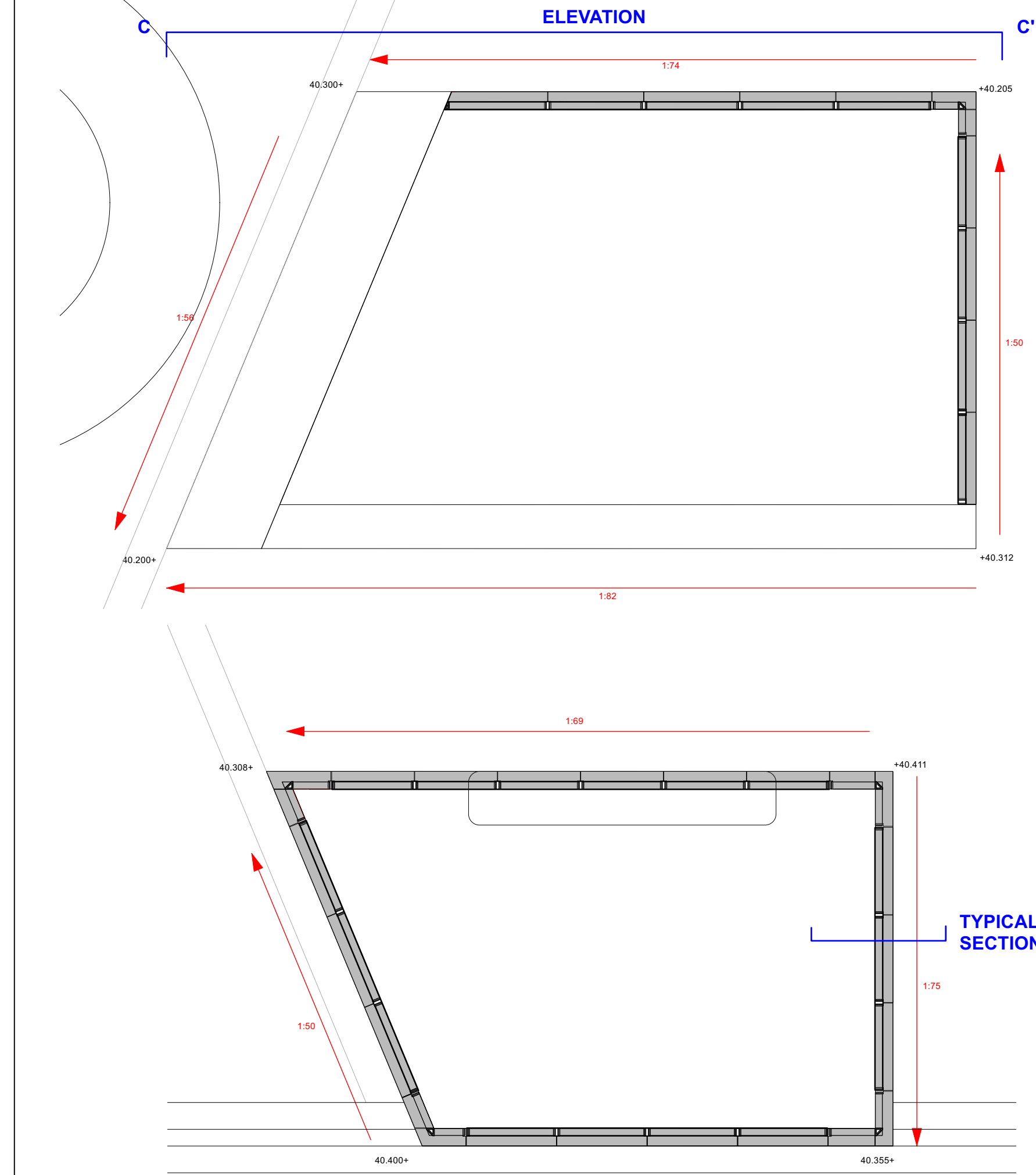
4 Railing Top Bar: Plan View Scale: 1:8



5 Elevation C-C' Scale: 1:20



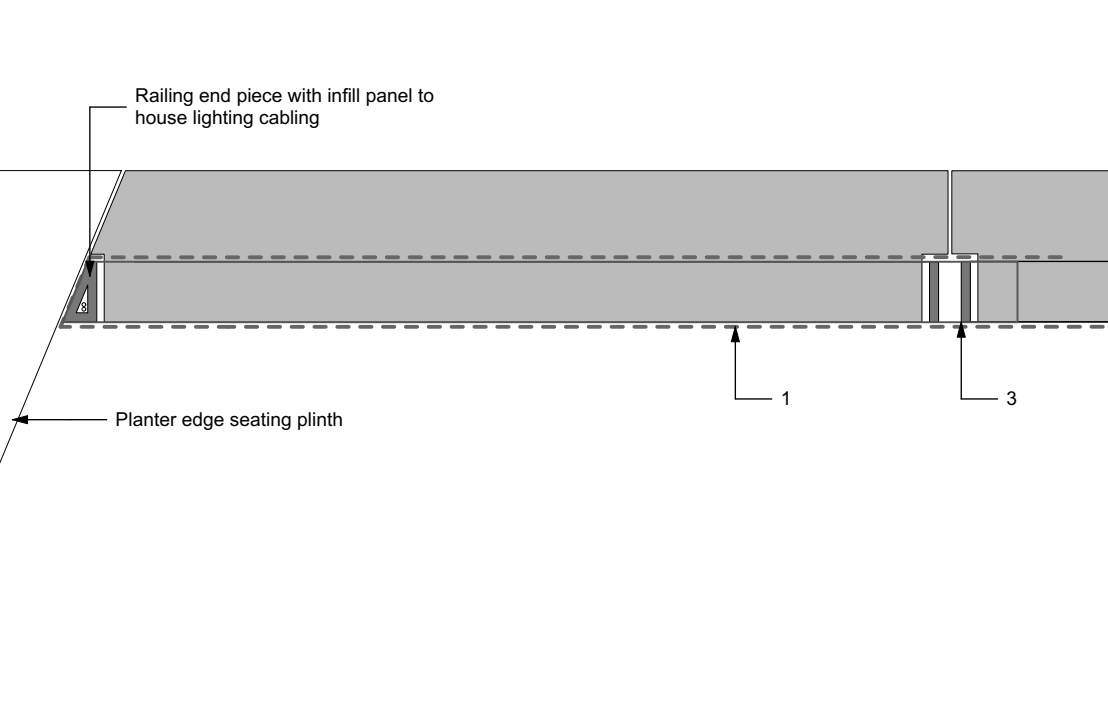
9 Elevation with top bar Scale: 1:10



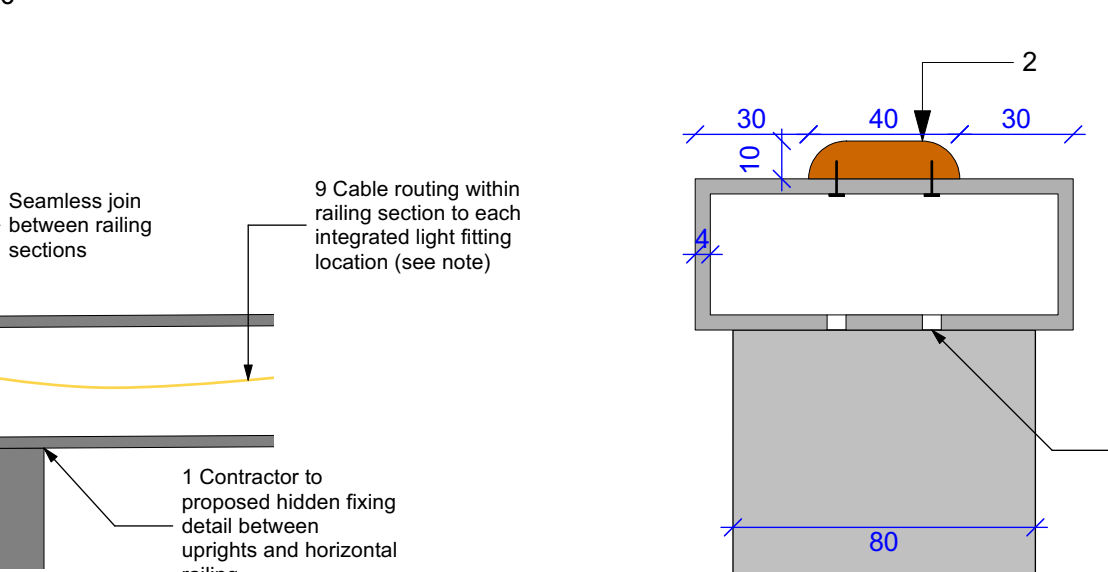
LOCATION PLAN



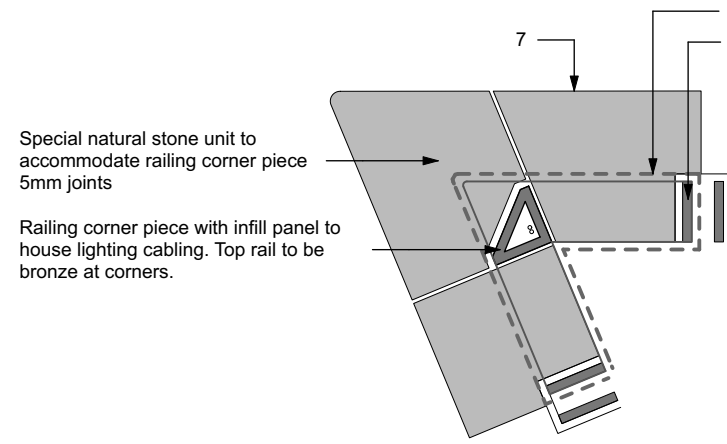
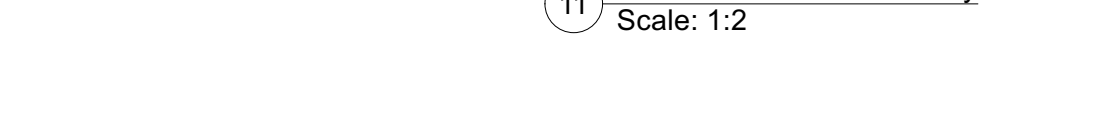
7 Special Corner Unit B: Plan View Scale: 1:10



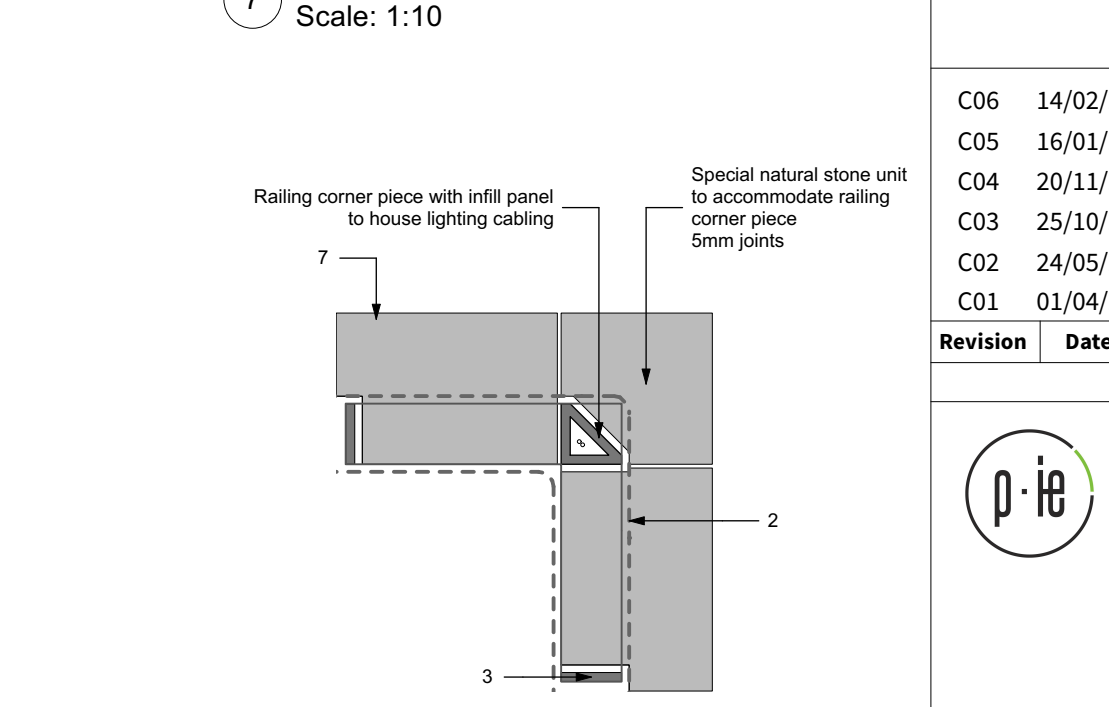
6 Special Corner Unit A: Plan View Scale: 1:10



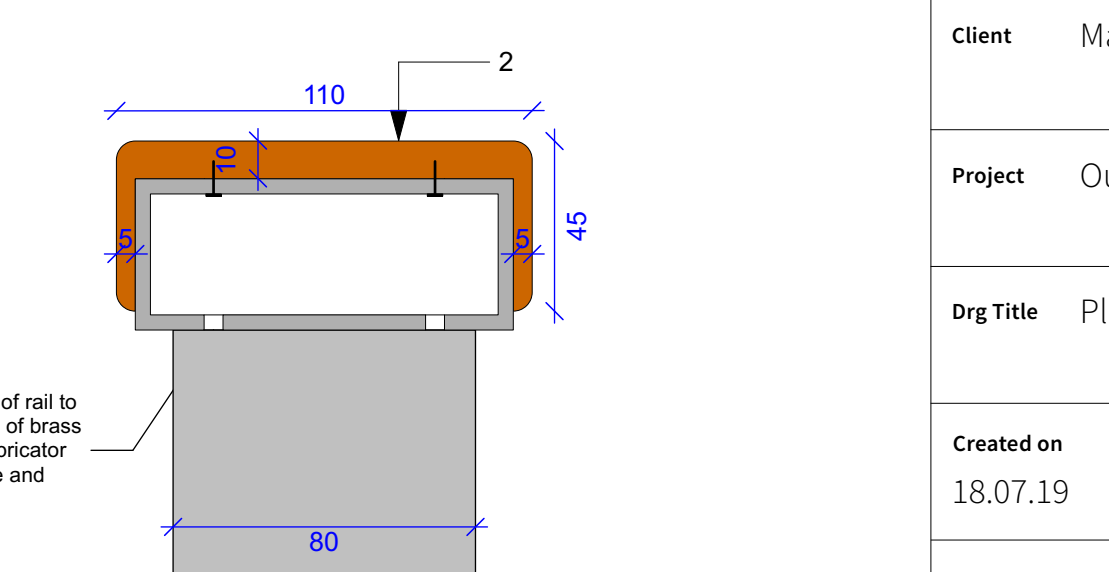
10 Detail - Railing Connecting Piece Scale: 1:2



8 Special Corner Unit C: Plan View Scale: 1:10



11 Section Detail: Bronze Inlay End Strap Scale: 1:2



12 Section Detail: Bronze Inlay End Strap Scale: 1:2



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NOTES: 1. All dimensions are in millimetres unless otherwise stated. 2. All dimensions are to the centre of the element unless otherwise stated. 3. The dimensions of all materials must be checked on site before being used. 4. The drawings must be read with the relevant specification sheets and detail drawings. 5. Order of construction and setting out to be agreed on site.			
KEY: 1. Steel Top Capping Rail Rectangular hollow section steel piece with painted finish. Fabricated as separate element to be mechanically fixed to main structure. To be fixed from below (concealed fixing) To be fabricated in long sections spanning across structural frame: 2m nominal lengths (see drawings for bespoke sizes) Bespoke angles as shown on drawings. To have allowance for bronze anti-skate detail (Q50/350A) Refer to specification clause Q40/370A and L37/150B 2. Top Rail Corner Piece Profiled top rail to be fabricated as separate element to be mechanically fixed to main structure. Bronze inlay piece and end strap fixed to capping rail. To be fixed from below (concealed fixing) - contractor to confirm hole size and quantum required to install. Bespoke angles as shown on drawings. Refer to specification clause Q40/370A 3. Steel Railing Vertical Bars Flat bar galvanised mild steel with painted finish. Dimensions: 80mm x 12mm Sizes: bespoke lengths as shown on drawings. Height of rail above adjacent surface level: 450mm (including 60mm height of stone edge) Top rails are to follow profile of adjacent edging / surface gradients as indicated on drawings. To be plate fixed to concrete pavement foundation, fixing to concrete prior to installation of stone paving. Base plate: 200x200mm, 12mm thick grade s275 steel. Base plate fixings: 4no M12 threaded anchors, with Hilti HIT-HY200A for similar, min 70mm embedment. To include structural braces and mechanical call - fixing below level of stone edging. Special corner units as shown on drawings to allow for changes in surface gradients along edges. Refer to drawing OTH-PLA-EE-ES-DWG-L-5001 Refer to specification clause Q40/370A and L37/150B 4. Steel Railing Horizontal Top Bar (structural) Flat bar galvanised mild steel with painted finish. Dimensions: 80mm x 18.5mm depth. Bespoke lengths as shown on drawing OTH-PLA-EE-ES-DWG-L-501. Top bar to have central open section (2 pieces) to house luminaire as shown. Refer to Arup drawings and specification for further details. 5. Steel Railing Infill plate Painted finish to match other elements. To sit level with top of stone edge. 6. Railing Vertical Corner Posts Flat bar galvanised mild steel with painted finish. Triangular form with central void to feed cabling for integrated lighting. Corner pieces - 12mm depth x 80/80/96mm width End pieces - 12mm depth x 45/80/86mm width 7. Natural Stone planter edge Dimensions: 200mm wide, 210mm depth (TBC by engineer) Material: Scottish Green Schist Upstand: 60mm Refer to drawing OTH-PLA-EE-ES-DWG-L-5001 Refer to specification clause Q10/121A 8. Bronze anti-skate fixings To Q50/350A, 8mm bronze PB102 plate. To be fixed internally from below, fixing number and hole size to underside of rail to be confirmed by fabricator. Fitting per post location - refer elevation. 9. LED Luminaire Refer to Arup drawings for details and specification OTH-ARU-EE-ES-DWG-E-15401 NOTE: Planter railings have been designed for 0.74kN/m horizontal imposed load. Refer to Ramboll drawings OTH-RAM-EE-ES-DWG-N-0100 and OTH-RAM-EE-ES-DWG-N-0107 in conjunction with this drawing.			
Revision Notes: Updates to structural information following Ramboll review as clouded including base plate and fixing details.			
C06	14/02/25	Updates following Ramboll structural review	SC MS
C05	16/01/25	Anti-skate detail updates	SC MS
C04	20/11/24	Refer to revision notes	SC MS
C03	25/10/23	Refer to revision notes	SY MS
C02	24/05/22	Construction Issue	SR MS/KR
C01	01/04/21	Construction Issue	SR MS/KR
Revision	Date	Description	Drawn/ Apprv.
Client Manchester City Council			
Project Our Town Hall			
Drg Title Planter Edge Details 3 of 3			
Created on	Created by	Approved by	
18.07.19	SY	MS	
Scale	Size	Workstage	
As Shown	A1	Stage 5	
Drg No.	Suitability	Revision	
OTH-PLA-EE-ES-DWG-L-5014	S4	C06	