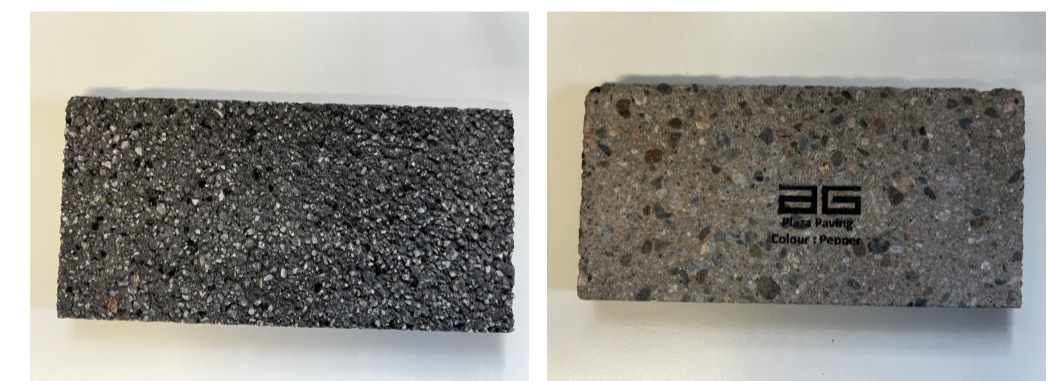
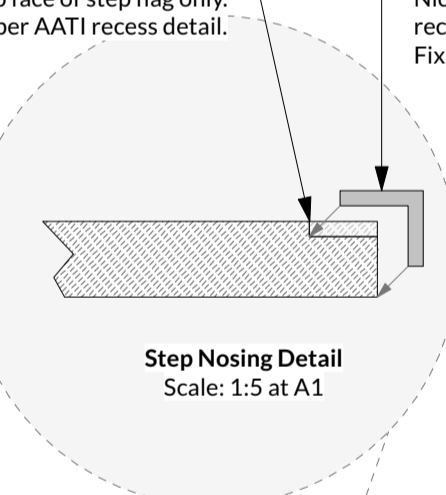


Brass finish handrail with PPC posts to specialist manufacturer's detail. Handrail must satisfy Building Regulations and requirements of BS8300.

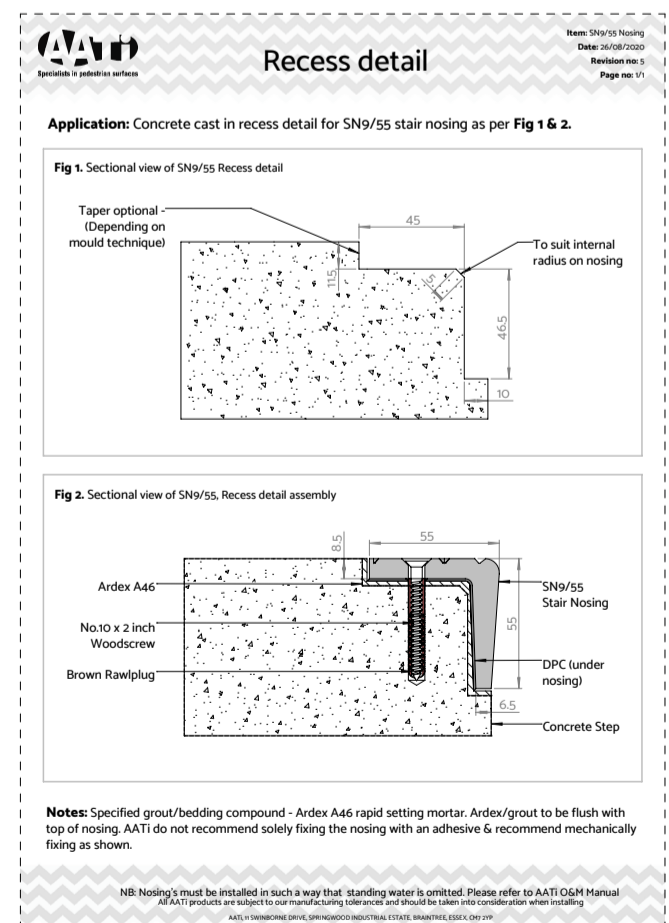
Recess cut into top face of step flag only. Dimensions as per AATI recess detail.  
Nickel Bronze nosing to be applied to recessed and front edge of paving flag. Fixing to AATI detail.



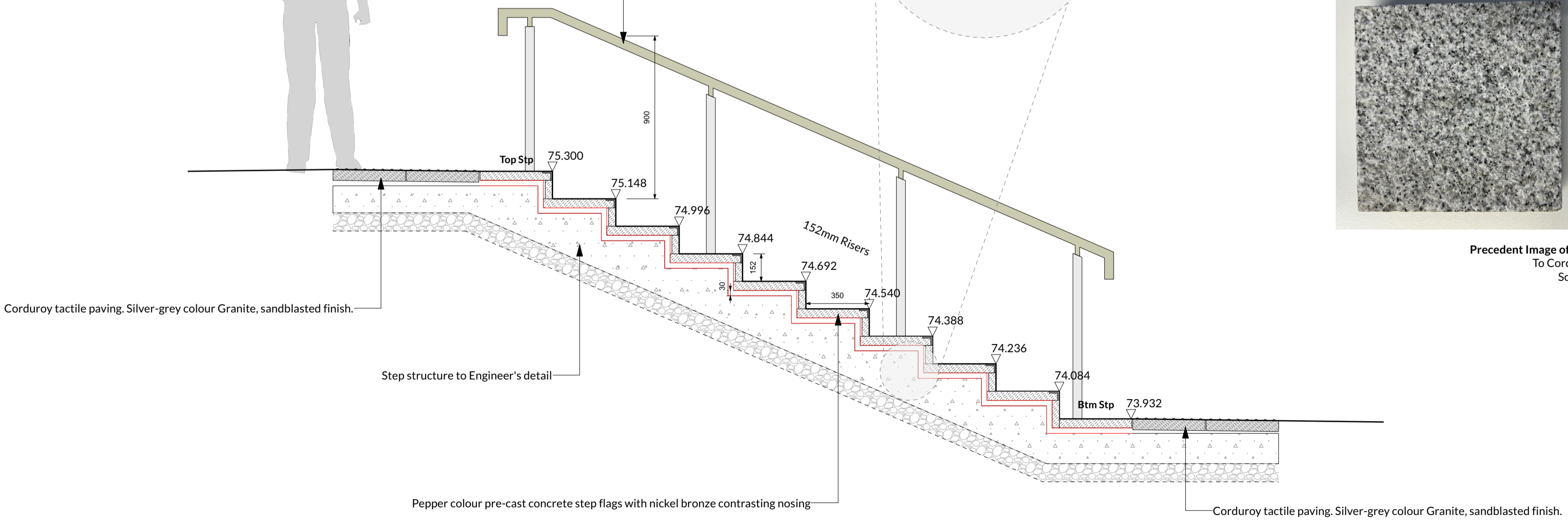
Precedent Image of Plaza 'Pepper' Paving  
To step Tread and Riser  
Scale: NTS at A1



Precedent Image of Granite 'Galacia' Tactile Paving  
To Corduroy Tactile Paving  
Scale: NTS at A1



Typical Section Through Nickel Bronze Step Nosing  
Scale: NTS at A1



- NOTES**
- All dimensions in millimetres unless otherwise shown.
  - All levels in metres above Ordinance Datum (mOD) unless otherwise shown.
  - All dimensions to be checked on site and any discrepancies reported to Landscape Architect or Employer before pricing / work starts.
  - Any ambiguities or discrepancies within this drawing and any other information given elsewhere must be reported to the Landscape Architect or the Employer for clarification prior to pricing or construction works commencing.
  - All drawings to be read in conjunction with other drawings and specification information as appropriate.
  - Refer to relevant Engineer's and Architect's information as appropriate for confirmation of all engineering and architectural details (including base and sub-base formation layers).
  - All works to be carried out in accordance with the latest British Standards and appropriate codes of practice as a minimum.
  - Unless noted as Construction Status, all information shown is NOT for construction. Clarification to be sought from the Landscape Architect or the Employer prior to construction works commencing.

**STP2 Steps (Step Flags with Contrasting Nosing) 152mm RISER & 350mm TREAD**  
50mm thick Concrete Step Flags, 600 x 400mm. - A&G Plaza Paving 'Pepper colour' with contrasting Nickel Bronze & Silicone Carbide nosing.  
Step flags to be recessed for nosing insertion - nosing and step surface to be flush.  
Nosing must have demonstrable slip resistance and a certified Slip Resistance Value/Pendulum Test Value of **Low Slip Potential (PTV 50 or greater)** in both wet and dry test conditions.  
Laid in stretcher bond between each step.  
Steps to be laid so as to achieve an even and smooth pedestrian surface.  
Laid on 30mm mortar bed over **new concrete base** to engineer's detail.

All steps are to be compliant with Building Regulations Part M and BS 8300

**Possible Suppliers**  
Tobermore  
2 Lisnamuck Road, Tobermore, Co. L'derry, BT45 5QF  
<https://www.tobermore.co.uk/professional/products/steps/mayfair-step-flags-contrasting-nosing/>

AG  
4 Marlin Office Village, 1250 Chester Road, Castle Vale, Birmingham, B35 7AZ  
<https://ag.uk.com/professionals/products/flagstones/plaza/>  
Contact:  
Mark Toole  
07919493221  
[mark.toole@ag.uk.com](mailto:mark.toole@ag.uk.com)

**Tac1 Corduroy Tactile Paving, Granite**  
50mm thick Granite Corduroy tactile paving, 400x400mm flags.  
Silver Grey Granite in sandblasted finish. Tectonix Granite 'Galacia'.  
Slip resistance of all granite units to be in excess of the >45 slip measure within the British Standards. Refer to manufacturer for confirmation of exact slip resistance if required.  
Corduroy warning ribs are to be 20mm wide x 6mm high from the flag surface with 30mm gaps between each rib and are to be continuous along the full width of the step flight. Ends are to be domed a minimal 20mm from the edge of the end flags. Refer to Building Regs Part M Diagram 4 for details.

**Possible Supplier:**  
Tectonix  
Suite 9, Brabazon House 2 Turnberry Park Road, Leeds LS27 7LE  
<https://www.tectonix.co.uk/galacia>  
Contact:  
Dave Stanger  
07939 872276  
[dave@tectonix.co.uk](mailto:dave@tectonix.co.uk)

**Handrail (To STP 1 & STP 2 Steps)**  
Tubular Brass Finish Stainless Steel Handrail bolt fixed to Steel Vertical Posts.  
Handrail to be Stainless Steel with PVD coating in Brass finish, or similar approved.  
Vertical posts to be Galvanised and Powdercoated to match railings and existing building downpipes RAL 7012 Matt (exact RAL colour TBC)  
(One handrail to each side of steps adjacent to wing walls and spaced as necessary on wider steps)  
Nominal 2metre centres for handrail spacing.  
All joints to be fully welded and finished smooth.  
All edges to be rounded off so that they are smooth to the touch.

**Fabrication Drawings & Setting Out**  
Steelwork Sub-Contractor to produce fabrication drawings for approval by Contract Administrator. Fabrication drawings for individual railings and handrails to be produced according to survey of as constructed masonry, structures, surfacing etc. and supplied to Contract Administrator for approval.

**Steelwork Sub-contractor**  
Steelwork Sub-Contractor to have demonstrable experience of architectural steel fabrication and to be approved by Contract Administrator.

**Top Rail**  
50mm Ø Tubular Brass Finish (PVD coating or similar approved) Stainless Steel top rail. Ends to return 90 degrees downwards or other angle necessary to give a vertical end to handrail.

**Fixing**  
Railing roots to be secured into a suitably sized hole cored through finished paved surface. Hole to be perpendicular to surrounding paved surface. Grout fill to be as specified by Engineer. Top level of grout fill to match surface level of adjacent paved surface and to result in a maximum of 10mm grout fill between paving and rail post.

**Cleaning**  
Following installation all steel surfaces to be cleaned with with appropriate cleaning product to ensure no staining from grout associated with post installation.

All handrails/railings are to be compliant with Building Regulations Part K & M and BS 8300

**STEEL RAILINGS MANUFACTURER**  
Steel Railings Manufacturer to have demonstrable experience of railing fabrication and to be approved by Landscape Architect.  
**Possible Supplier:**  
Vision Fabrications Ltd  
<https://visionfabrications.com/>

**EMPLOYER APPROVAL**  
Samples of all paving and railing materials to be submitted to the Landscape Architect and Client Technical Advisor prior to approval. Material samples submitted to the Landscape Architect are to be a true representation of that material type. Submitted samples to be retained by the Employer for reference.

In-situ sample panels of all proposed paved surfaces to be approved by the Employer prior to the laying of significant areas of that paving type. In-situ sample panels to be a minimum of 2 step units and to demonstrate proposed laying method, paving pattern, joint tolerances, joint stagger, quality of cuts etc. Sample panel to be retained as a permanent reference of the agreed paving quality.

Rev	Date	Description	SWR	SWR
P03	21/09/2023	Step flag unit and tactile flag unit specifications clarified.	SWR	SWR
P02	18/07/2023	Step base updated to reflect Engineer's detail	SWR	SWR
P01	14/07/2023	Updated to Client Comments	SWR	SWR
Rev	Date	Description	Drm	Chk

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Watford Town Hall  
Morgan Sindall

**Step Detail - Step STP 2**

Status: (S1) Issued for co-ordination  
Drawing Number: 53CA07-SRLA-TH-GF-DT-L-0202  
Revision: P03  
Scale: 1:20 @ A1  
Date: 13/06/2023

Drawn by: SWR  
Checked by: SWR