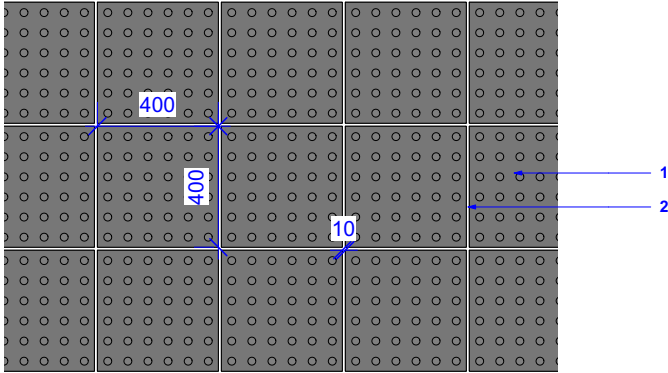
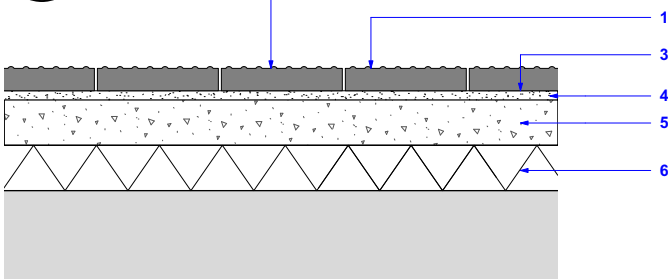


- Foundations to engineers specification.
- All samples to be submitted for client approval.
- Specification of all concrete elements to comply with Structural Engineer's performance specification.
- Subject to approval of manufacturers drawings, all measurements to be checked on site prior to ordering and fabrication.



1 **ST21 Tactile Blister Flag Paving - Plan**
Scale: 1:25



2 **ST21 Tactile Blister Flag Paving - Section**
Scale: 1:25

KEY

1 - Tactile Blister Flag Paving - ST21
Product: Silva Preta Favaco Granite
Colour: Black.
Finish: Sandblasted top sawn sides and bottom
Size: 400mm (W) x 400mm (L) x **mm (D)** **TBC Engineer to confirm depth.**
Laying Pattern: Stack Bond.
Supplier: Hardscape or similar and approved.
[Refer to NBS Clause Q25/320](#)

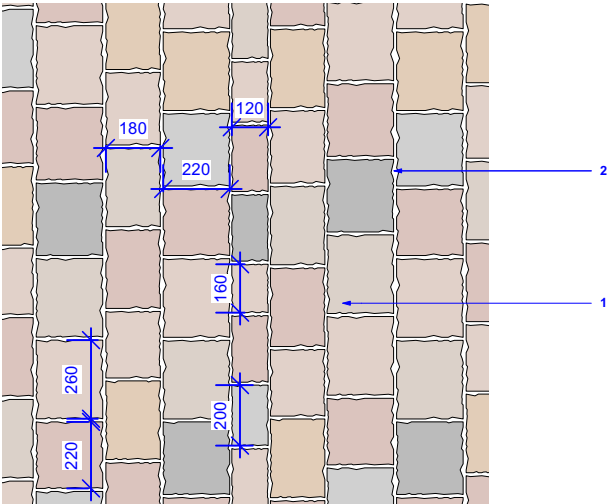
2 - Jointing
Width: 10mm
Product: Tufftop jointing mortar.
Colour: Mid grey.
Supplier: Steintec or similar and approved.
[Refer to NBS Clause Q25/440](#)

3 - Priming Mortar
Product: Tuffbond priming mortar.
Brush applied to entire underside of paving units and surface of GCP Integritank waterproofing.
Supplier: Steintec or similar and approved.
[Refer to NBS Clause Q25/435](#)

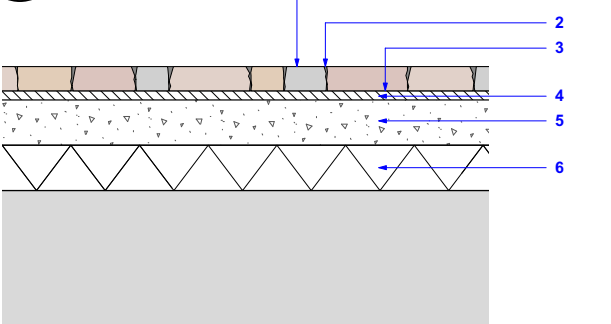
4 -Bedding Mortar
Depth: TBC by engineer.
Product: Tuffbed / Tuffbond.
Supplier: Steintec or similar and approved.
[Refer to NBS Clause Q25/440](#)

5 - Concrete Base
To engineer's specification.

6- Sub-base
MOT Type 1 sub-base.
To engineer's specification.



3 **ST17 New Granite and Sandstone Setts - Plan**
Scale: 1:25



4 **ST17 New Granite and Sandstone Setts - Section**
Scale: 1:25

KEY

1- Proposed Sett Paving - ST17
Material: Granite and Sandstone mix
Colour:
St Eulalia – 30% - flamed top
Rosa Porinho – 30% - flamed top
Amarello Alpendurado – 15% - flamed top
Scoutmore - 10% - sawn and sandblasted top, sawn sides.
Gris Caldaso – 10% - sawn and sandblasted top
Azul Noche – 5% - flamed top
Finish: Sawn Bottom. Cropped sides.
Size:
10% (H) 120 x (L) 160-220mm random lengths.
50% (H) 180 x (L) 220-260mm random lengths.
40% (H) 220 x (L) 220-260mm random lengths.
Laying Pattern: Random stretcher bond.
Depth:100mm to be confirmed by engineer.
Supplier: Hardscape or similar and approved.
Cuts no less than 1/3 of the original size.
No yorkstone setts to be laid adjacent to each other
[Refer to NBS Clause Q25/333](#)

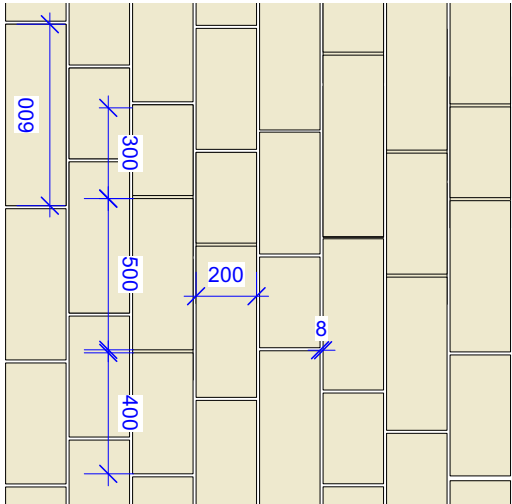
2 - Jointing
Width: 10mm (8 to 12mm)
Product: Tufftop non-permeable BS 7533 Type 40 jointing mortar.
Colour: Mid grey.
Prior to installation the cobbles are to be gauged at +/- 5mm in rows to achieve a 10mm (8-12mm) nominal joint.
Supplier: Steintec or similar and approved.
[Refer to NBS Clause Q25/440](#)

3 - Priming Mortar
Product: Tuffbond priming mortar.
Brush applied to entire underside of paving units and surface of GCP Integritank waterproofing.
Supplier: Steintec or similar and approved.
[Refer to NBS Clause Q25/435](#)

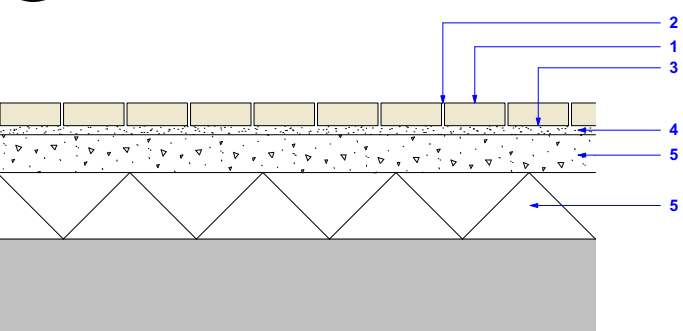
4 - Bedding Mortar
Product: Tuffbed 2-pack permeable BS 7533 Type 35 bedding mortar.
Depth: Nominal 40mm.
Supplier: Steintec or similar and approved.
[Refer to NBS Clause Q25/440A](#)

5 - Concrete Base
To engineer's specification.

6- Sub-base
MOT Type 1 sub-base.
To engineer's specification.



5 **ST20 New Sandstone Flag Paving - Plan**
Scale: 1:25



6 **ST20 New Sandstone Flag Paving - Section**
Scale: 1:25

KEY

1- Proposed Sandstone flag Paving - ST20
Material: Woodkirk Yorkshire Sandstone
Colour: buff
Finish: Shotblasted top, sawn sides and bottoms
Size: 200mm (W) x random lengths (300mm - 600mm) (L) x **mm (D)** **TBC Engineer to confirm depth.**

Laying Pattern: Random stretcher bond
Supplier: Hardscape or similar and approved.
Cuts no less than 1/3 of the original size.
No yorkstone setts to be laid adjacent to each other.
[Refer to NBS Clause Q25/331](#)

2 - Jointing
Width: 8mm
Product: Tufftop jointing mortar.
Colour: Mid grey.
Supplier: Steintec or similar and approved.
[Refer to NBS Clause Q25/440](#)

3 - Priming Mortar
Product: Tuffbond priming mortar.
Brush applied to entire underside of paving units and surface of GCP Integritank waterproofing.
Supplier: Steintec or similar and approved.
[Refer to NBS Clause Q25/435](#)

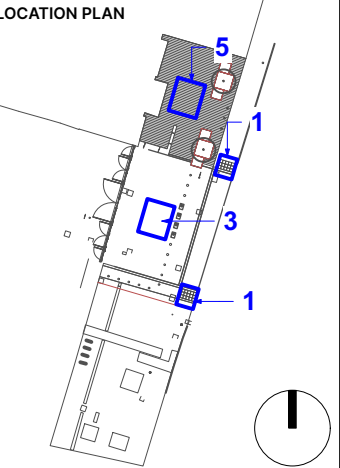
4 -Bedding Mortar
Depth: TBC by engineer.
Product: Tuffbed / Tuffbond.
Supplier: Steintec or similar and approved.
[Refer to NBS Clause Q25/440A](#)

5 - Concrete Base
To engineer's specification.

6- Sub-base
MOT Type 1 sub-base.
To engineer's specification.

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- 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 must be read with the relevant specification clauses and detail drawings.
 7. Order of construction and setting out to be agreed on site.



PO3	08/09/2025	Planning Issue	AM	AM
PO2	14/08/2025	Tender	JD	AM
PO1	01/08/2025	Stage 4 Issue	JD	AM

Revision	Date	Description	Drawn	Apprv.
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Client Science Museum Group

Project Science Industry Museum - Lower Byrom Street Gateway

Drg Title Hardworks Details - Surfaces

Created on 15-07-25
Created by LT
Approved by AM

Scale 1:25
Size A3
Workstage Stage 4

Drg No. 2913.4-PLA-XX-XX-DR-L-5000
Suitability D2
Revision P03