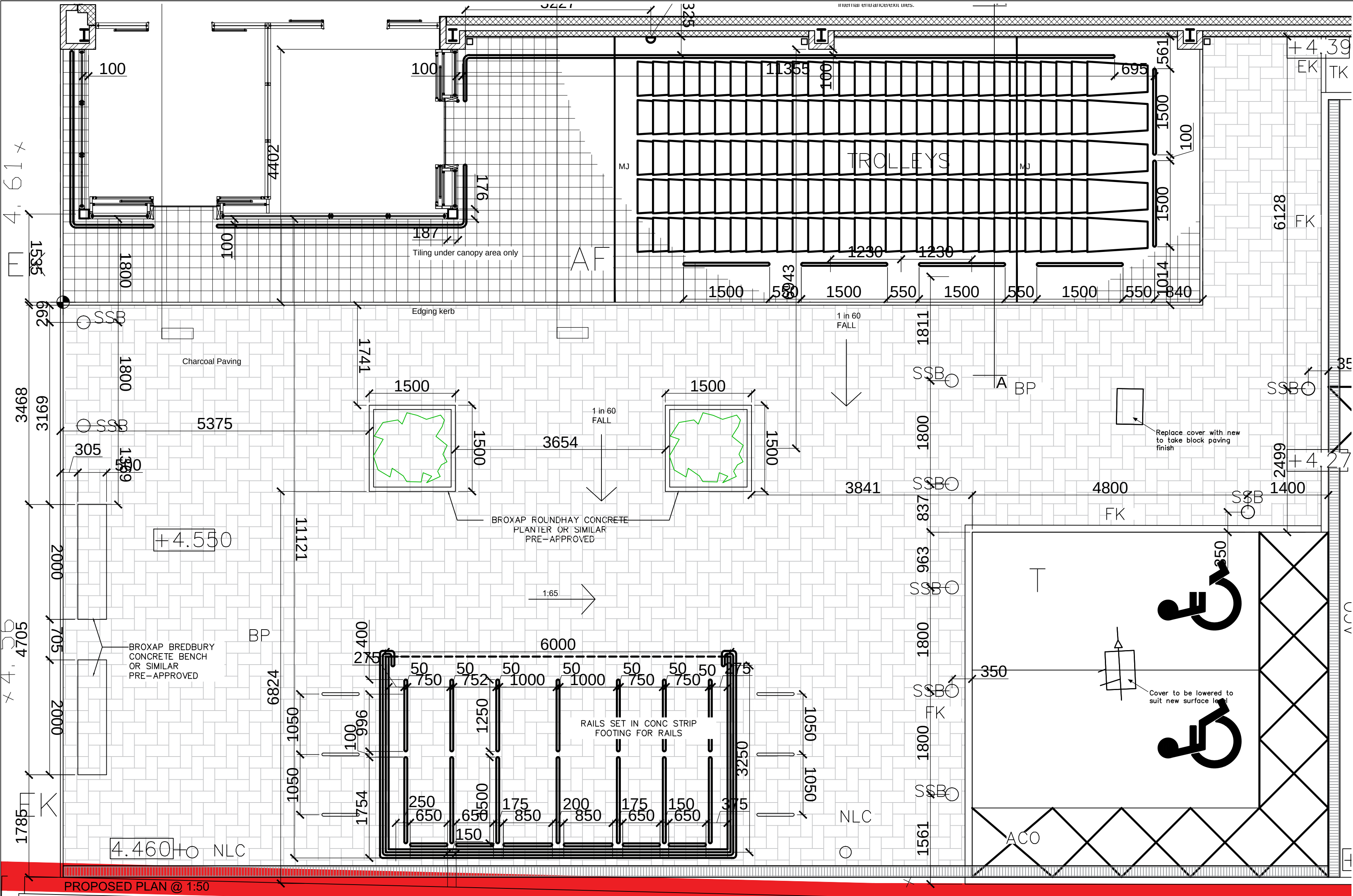




PAVING TO TROLLEY PARK / ENTRANCE AREA  
The trolley park/entrance area is laid to fall maximum 1:60 away from the main entrance and paved with 15mm thick external 'Argelith Feinsteinzeug R12' tiles on 5mm thick 'Ardex X7R' adhesive on 150mm thick reinforced concrete slab laid to fall. Prior to application of the tile adhesive, the slab concrete is to be mature and clean with a surface regularity of SR1. The concrete slab is to be approved to Structural Engineer's details, this concrete slab is on 50mm cover on minimum 1000 gauge Visqueen membrane on minimum 200 type 1 sub-base. The sub-base specification is subject to site specific requirements and to approved Structural Engineers details.  
Movement joints within the slab are to carry through the tiles above and these joints are to suit the tile setting out. The tile movement joint is to be installed directly above the slab movement joint. I.e. these movement joints and their spacing must be reflected directly at the point of crack inducement through the final floor finish. The installation of the tile movement joints are to be in accordance with BS 5385 Part 3.  
Note no diagonal cuts within the tiled apron to suit site levels. The surface preparation, adhesive mixing, application and grouting is to be in accordance with adhesive manufacturer's (Ardex UK Ltd) instructions. Concrete slab survey is to be carried out prior to tile laying to check if the surface regularity is SR1 standards. The slab should be cast and protected as necessary during the curing period for a suitable amount of time prior to tiling. Thus that it is taken into account in the programme and allows any early shrinkage to take place prior to bonding tiles to it.

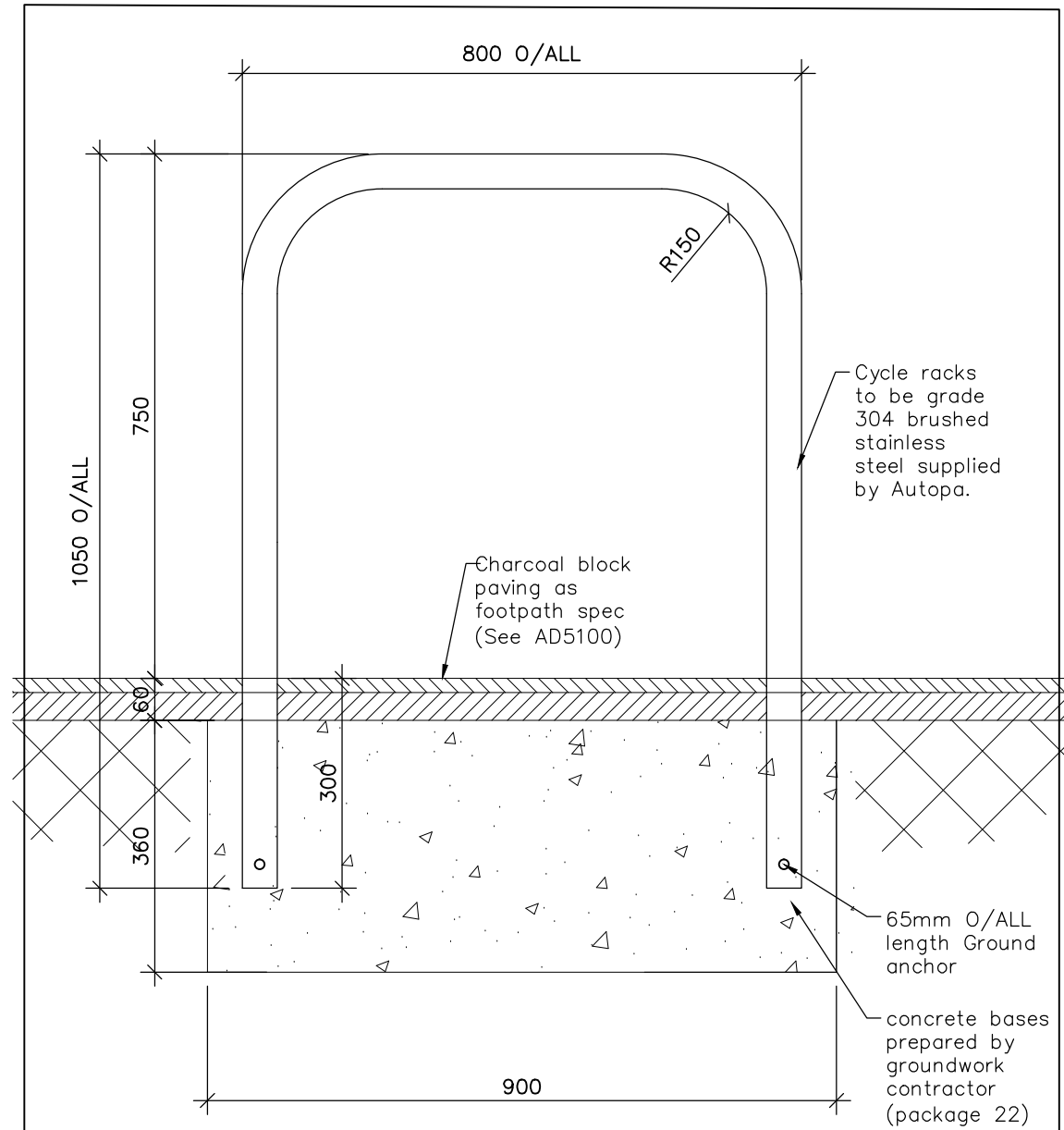
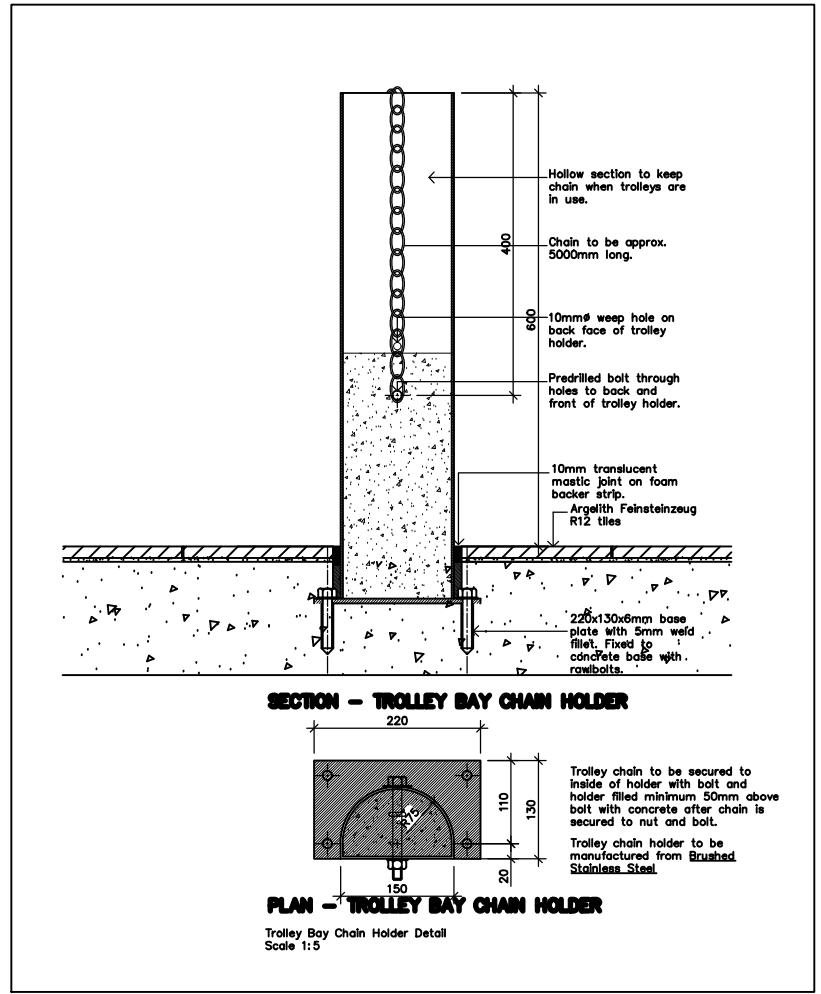
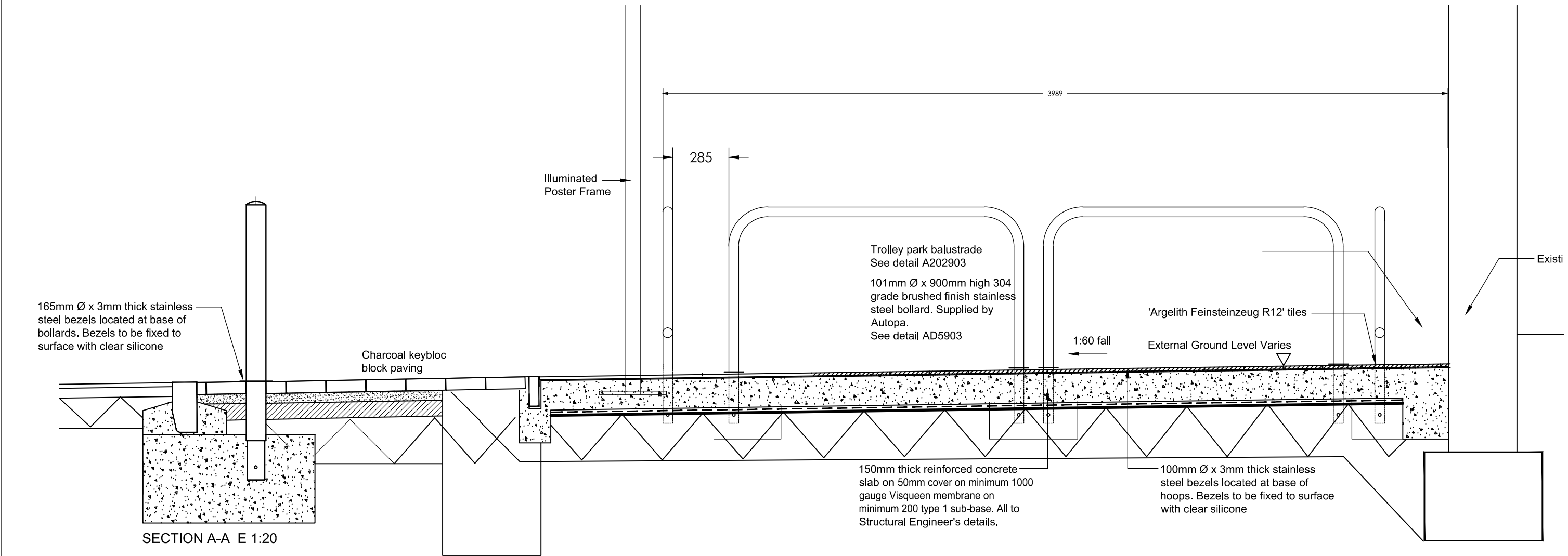
TROLLEY RAILS  
48mm dia satin stainless steel tubular hooped rails 1250mm long x 850mm and 1500mm long x 850mm high above ground level, core drilled 75mm dia into concrete paving and slab and neatly grouted in. 100mm  $\varnothing$  x 3mm thick stainless steel bezels located at base of hoops. Bezels to be fixed to surface with clear silicone. 200x100x60mm thick Chamferless (Pencil Edge) concrete block pavers to BS EN 1338:2003. Colour Ref: Charcoal. E.G. Marshalls, Pencil Edge Keyblok.

BOLLARDS  
Bollards to be installed to front of the trolley park at 1800mm centres, set back 350mm from the outer face of the kerb at the junction with the car park. Bollards are to be approx 100mm dia semi-domed top brushed stainless steel proprietary anti-ram bollards with steel core, or similar, approx 900mm above GL core drilled and grouted into trolley park paving. 165mm  $\varnothing$  x 3mm thick stainless steel bezels located at base of bollards. Bezels to be fixed to surface with clear silicone.

SHOPFRONT PROTECTION RAILS (full height shopfronts)  
48mm dia satin stainless steel continuous tubular hooped rails with sleeved joints in the length, 185mm high above ground level to centreline and with intermediate supports at maximum 1200mm c/c, core drilled 75mm dia into concrete paving and slab and neatly grouted in. Overall lengths to suits shopfront dimensions

CYCLE RAILS & HOLDERS  
Cycle rails: 48mm satin stainless Sheffield type tubular hooped rails 800mm long x 750mm high above ground level, core drilled 75mm dia into concrete paving and slab and neatly grouted in.

TROLLEY CHAIN HOLDER  
150mm satin Stainless steel tube 600mm high with 300mm dia 6mm thick flanged base welded on and drilled for 4 no 10mm dia Rawlbolts bolted to paving. Tube drilled front to back 400mm from top for 10mm stainless steel through bolt with domed nut to retain chain. 10mm dia drainage hole drilled in rear of tube 300mm from top. Tube filled with fine concrete to within 300mm of top once chain has been attached to retaining bolt.



LEGEND:

EXTERNAL 'ARGELITH FEINSTEINZEUG R12' TILES UNDER CANOPY:

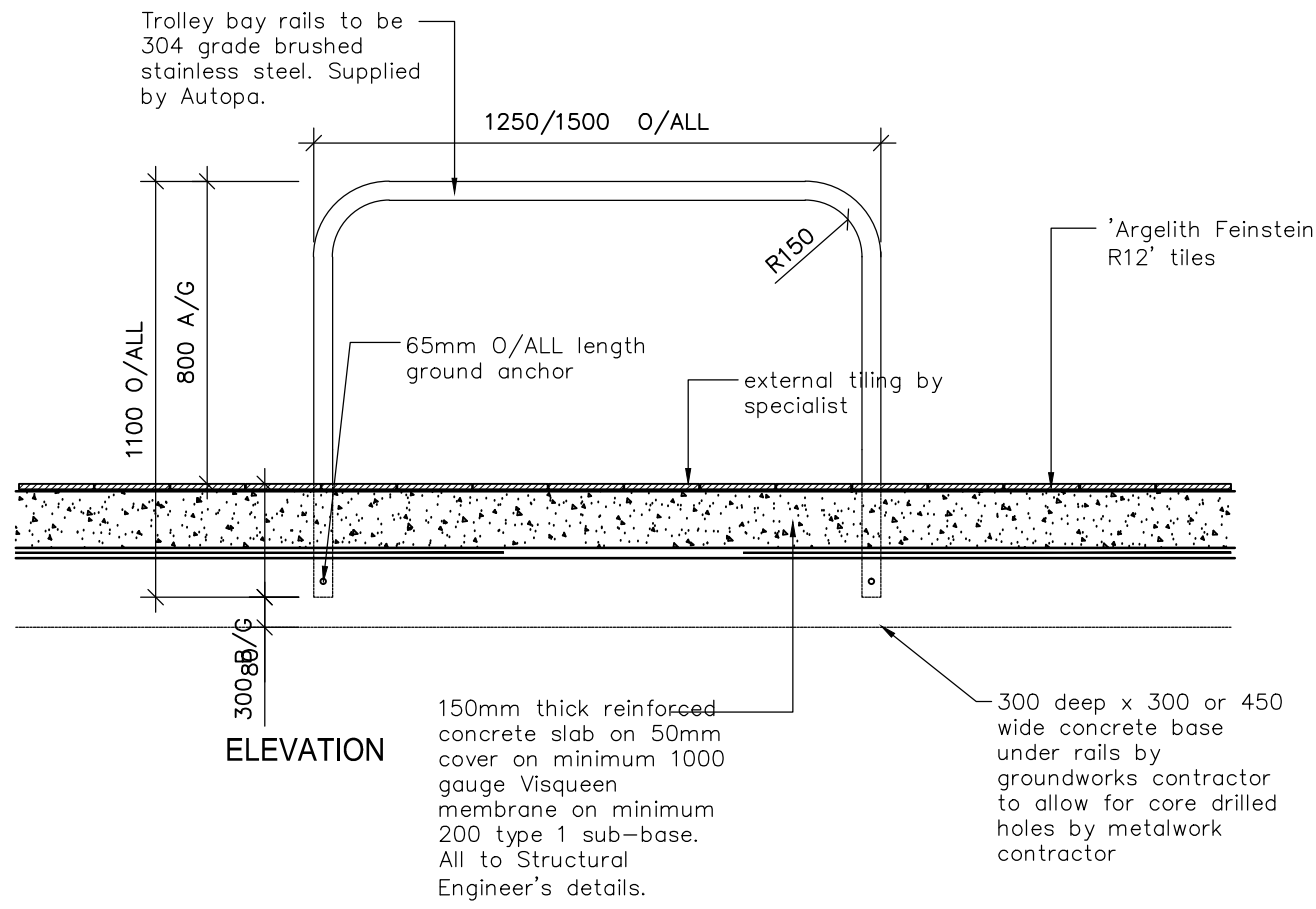
Tile size is 198x198x15mm thick with 2mm thick grout joints, product reference: 'Ardex - Flex FS' (colour: dark grey).

EXTERNAL TILE MOVEMENT JOINT.

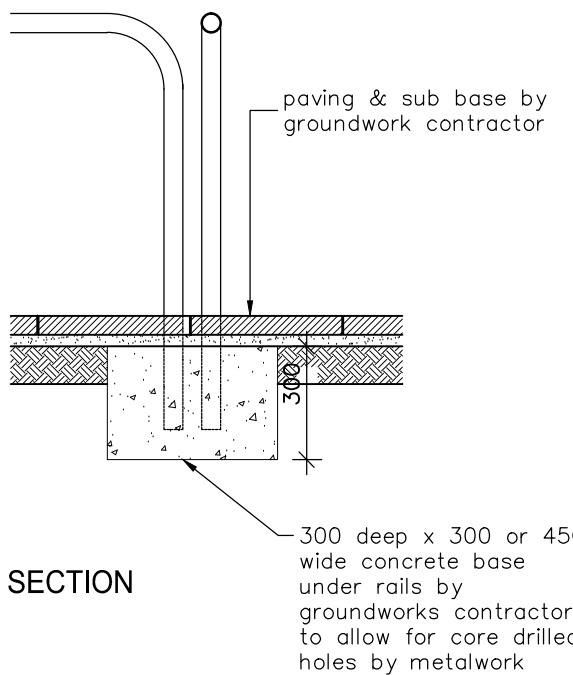
20mm thick x 10mm deep tile movement joint product reference 'Sikoflex Pro3' (colour: dark grey), to be located between the tiles with polyethylene foam backing at base of joint.

External tile movement joints locations indicated on this drawing are to be read for principle and indicative purposes only.

The tile movement joints locations are subject to site specific requirements and to be installed directly above the slab movement joint.



All stainless steel sections 50mm  $\varnothing$ .  
Post bases to be concrete grade C75P.  
Cycle racks to be grade 304 brushed stainless steel supplied by Autopa.



Trolley Park Balustrade Details Scale 1:20

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |                                                              |     |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------|-----|----------|
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10.08.17 | TROLLEY SHELTER DIMS UPDATED, BLOCK PAVING<br>MATCHING SHOWN | GH  | WH       |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 07.08.17 | LIGHTING COL PROTECTION UPDATED, TROLLEY RAIL<br>DIMS ADDED  | GH  | WH       |
| Rev                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Date     | Description                                                  | Rev | Chk'd By |
| Project Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                                                              |     |          |
| ALDI FOODSTORE<br>EXTENSION<br>WINSOVER ROAD<br>SPALDING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                                              |     |          |
| Client                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |                                                              |     |          |
| ALDI STORES LTD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |                                                              |     |          |
| Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |                                                              |     |          |
| CONSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |                                                              |     |          |
| Scale                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          | Drawing Size                                                 |     |          |
| 1:20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | A1                                                           |     |          |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 01/2017  | Drawn By                                                     | JE  | Checked  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |                                                              | GH  |          |
| Drawing Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                                                              |     |          |
| External Metalwork                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |                                                              |     |          |
| Job Dwg No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2130-156 |                                                              |     | Rev      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |                                                              |     | B        |
| <div><div><div>■</div><div>2 St. Johns North,<br/>Wakefield, WF1 3QA<br/>t. 01924 291800</div></div><div><div><input type="checkbox"/></div><div>Carvers Warehouse, 77 Dale Street,<br/>Manchester, M1 2HG<br/>t. 0161 2386555</div></div><div><div><input type="checkbox"/></div><div>The Old Rectory, 79 High Street,<br/>Newport Pagnell, MK16 6AB<br/>t. 01908 211577</div></div><div><div><input type="checkbox"/></div><div>101 London Road,<br/>Reading, RG1 5BT<br/>t. 0118 9507700</div></div><div><div><input type="checkbox"/></div><div>10 Gees Court, 51 Christophers Place,<br/>London, W1U 1JJ<br/>t. 0207 4091215</div></div></div> |          |                                                              |     |          |
| <div><div><div><div></div><div>THE<br/>HARRIS<br/>PARTNERSHIP</div><div>ARCHITECTS</div></div><div><a href="http://www.harrispartnership.com">www.harrispartnership.com</a></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                                                              |     |          |