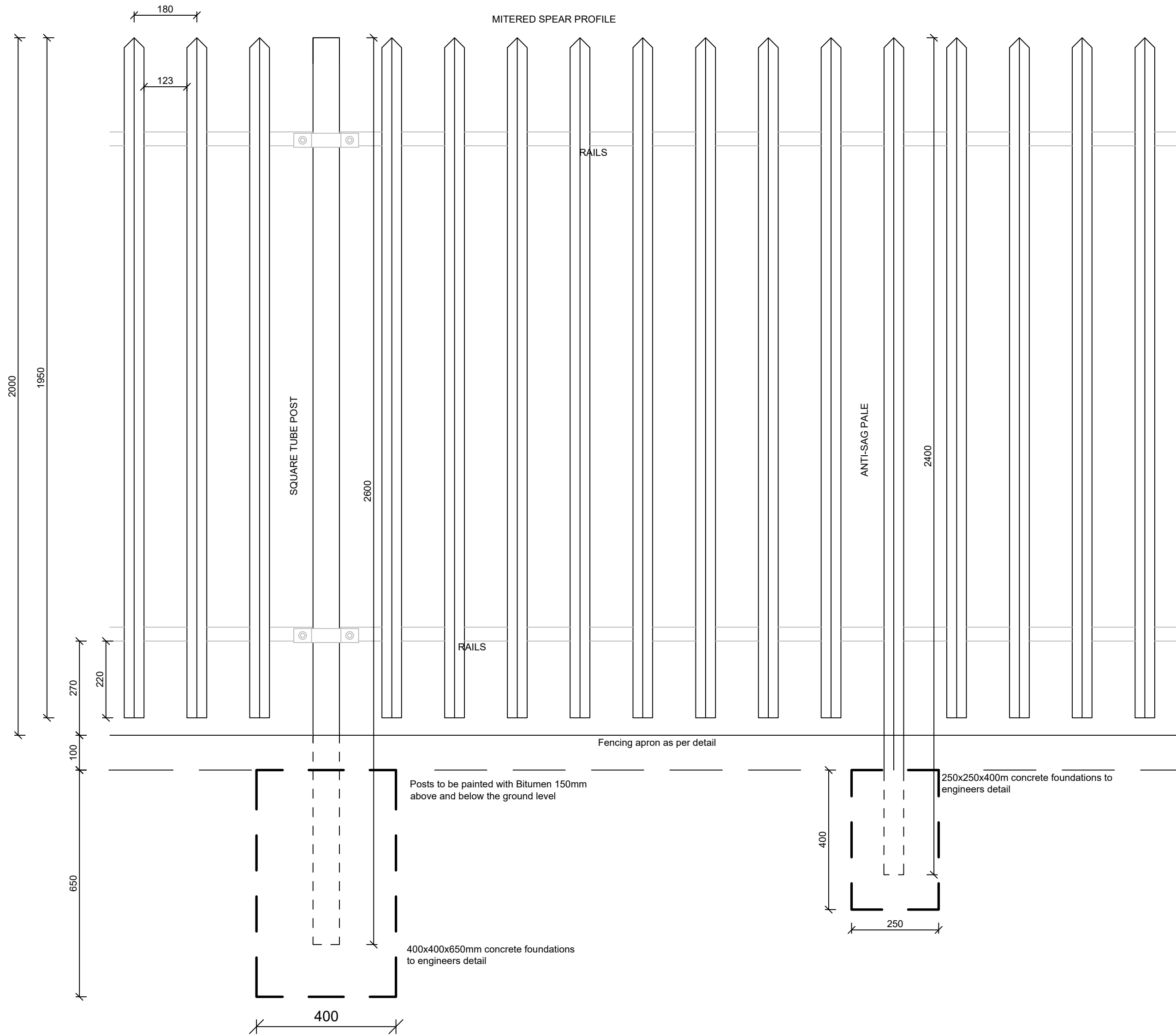


Job No	Discipline	Type	Drawing No.	Revision
0077	ARCH	TEN	715	

Note:  
Do not scale from this drawing. Check all given dimensions and site dimensions and/or levels prior to any pricing, manufacture or construction of any item.  
Greater detail drawings take preference.  
Please report any discrepancies to the architect.

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Location diagram



Typical Palisade Elevation ( External )  
Scale 1:10

2m High Steel Palisade Fence ( Welded pale )

- Posts:
- 76mm x 3.5mm square SHS x 2600mm length spaced at 3000mm centers hot dipped galvanized in accordance with SANS 121 , ISO 1461 1999 after all welding of fish plate brackets to post to receive angle rails.
  - Fish plate brackets are to clamp around posts and are described under the rails below.
  - Post to be installed 2000mm above natural ground level with 600mm below ground level.
  - Top of post to be capped , seam welded and ground smooth prior to galvanizing.
  - 8mm drainage holes to be provided in post 650mm from bottom of post.

- Note: Allowance for later electrification required where required
- posts to be pre-holed , prior to galvanizing
  - Holes required : 21 off 4mm holes at 100mm centers ( on internal face only ) per post.
  - 2 off holes at 100mm centers , 100mm from top of post , drilled though the post for later fixing of post extension ( to take electrification above fence )
  - Both holes to be filled with grey plastic,nylon plug to prevent water penetration.

- Pales:
- angle iron Pale profiles with mitred spear point head profile per 3m sections
  - Overall length 2150mm , installed 50mm above natural ground level.
  - 40x40x3mm angle iron pales at maximum 180mm centers with maximum 130mm spaces apart ( total 16 per 3m sections ) all welded to angle rails.
  - All to be hot dipped galvanized after all welding completed , in accordance with SANS 121 9 ISO 1461 1999).
  - Centre pales to be 40x40x3mm angle iron , 2500mm in height ( located in the centre of each palisade section ) cast with a concrete footing to specification

- Rails:
- Angle Irons - top and bottom rails:
  - 40x40x3mm angle iron rail ( overall length approximately 3000mm)
  - Bolted to posts using Fish plate brackets
  - Straight/Intermediate fish plates to be 2 off 40x4 mm by 250mm long , bent around half the posts, bolted back to back with rail in between , bending to ensure adequate grip on the post.
  - End brackets to be used where stepping of panels are envisaged.
  - All to be hot dipped galvanized, in accordance with SANS 121 ( ISO 1461 1999), after all welding/cutting/drilling is completed.
  - No , 4 x M12 x 40mm galvanized , cup square bolts and high tensile anti-vandal shear nut to be used.

- Concrete foundations to posts:
- 20MPA/19mm Aggregate Mass concrete foundations , 400 x400x650mm deep , Foundation excavations to be 750mm deep for top of concrete foundations to be 100mm below natural ground level.

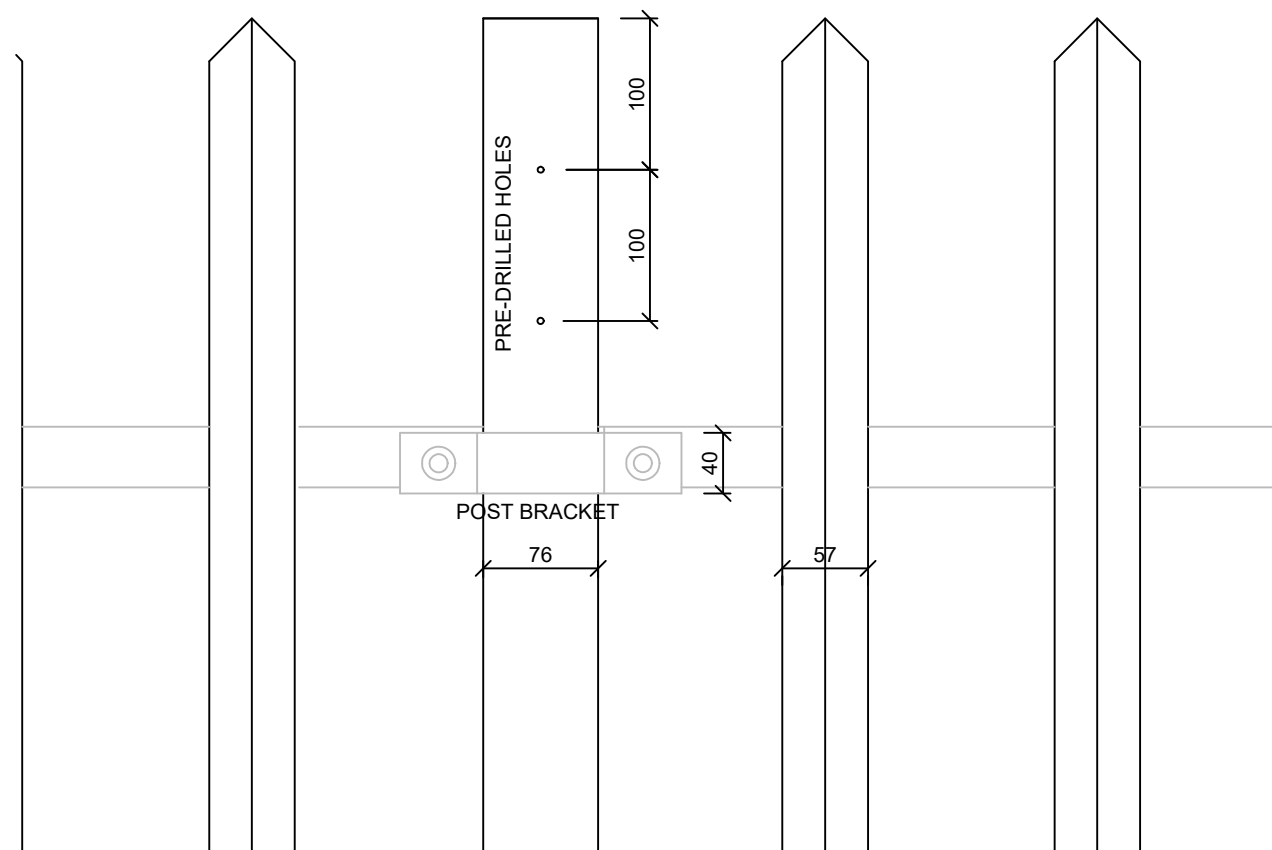
- Concrete foundations to sag Pale:
- 20MPAA/19mm aggregate mass concrete foundations , 250x250x400mm deep , Foundation excavations to be 500mm deep for top of concrete foundation to be 100mm below natural ground level.

- Concrete foundations to end posts and double posts
- At changes of direction greater than 15 degrees/at junctions with posts of different fence types , 30MPA/19mm aggregate reinforced concrete foundations to civil engineers detail
  - 1000x1000x1000mm deep with top of concrete foundation to be 100mm below natural ground level.

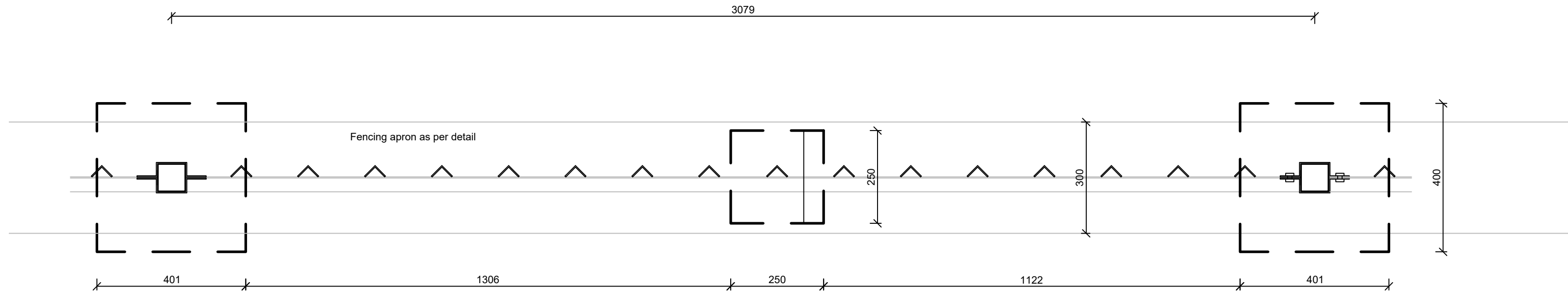
Note:Ground around fence foundations to be checked to ensure that it is suitable for the fence stability, The selected sub contractor is to point out to the main contractor ant ground that he suspects does not attain a 90% compaction ratio.

- Finish
- Steel palisade finish - hot dipped galvanized finish unpainted.

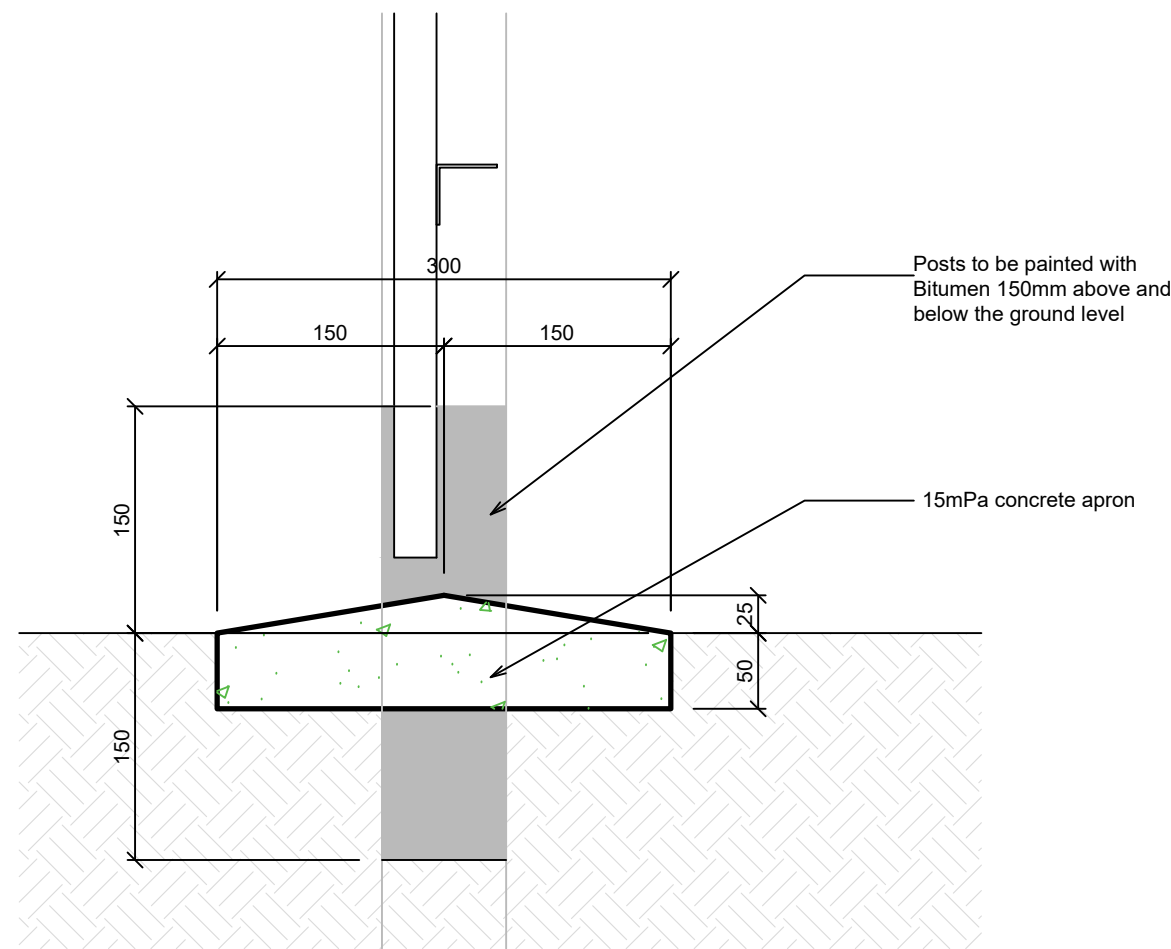
GUARANTEE : GALVANIZING TO BE IN ACCORDANCE WITH SANS 121 TO MINIMUM AVERAGE THICKNESS OF 75 MICRONS , ALL CONCRETE AND FOUNDATION DETAILS TO BE CONFIRMED BY ENGINEER



Typical Palisade Detail  
Scale 1:5



Typical Palisade Plan  
Scale 1:10



Typical Palisade Concrete Apron Detail  
Scale 1:5

Rev	Drm	Date	Description
TENDER			
info@smale.co.za www.smale.co.za			
telephone: 043 728 9327 facsimile: 086 5406 155 123 Western Av. Vincent,East london, 5247 www.smale.co.za			
Project Name / Client			
EB/NW1/10/24/Z1A			
MANUFACTURING FACILITY IN ZONE 1A			
Drawing Title			
Fencing Details			
Drawing Originator			
S AND P ARCHITECTS cc			
Checked By	Checked Date	Drawn By	Drawn Date
JW	2025/05/19	TT	2025/05/19
Approved By	Approval Date	SACAP Number	
		7513	
Building Grid Reference			Scale
			on page
Job No	Discipline	Type	Drawing No.
0077	ARCH	TEN	715
Revision			