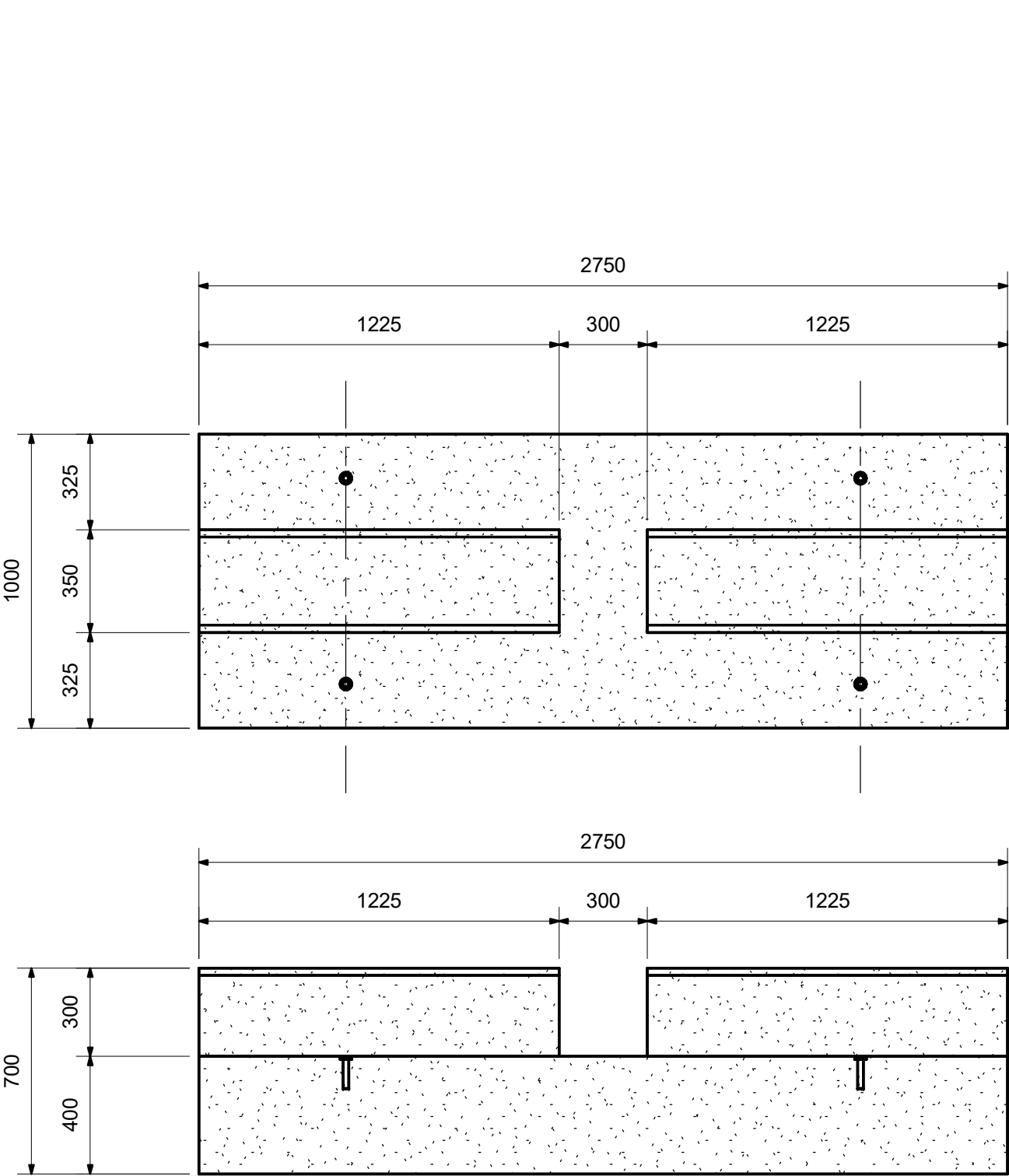
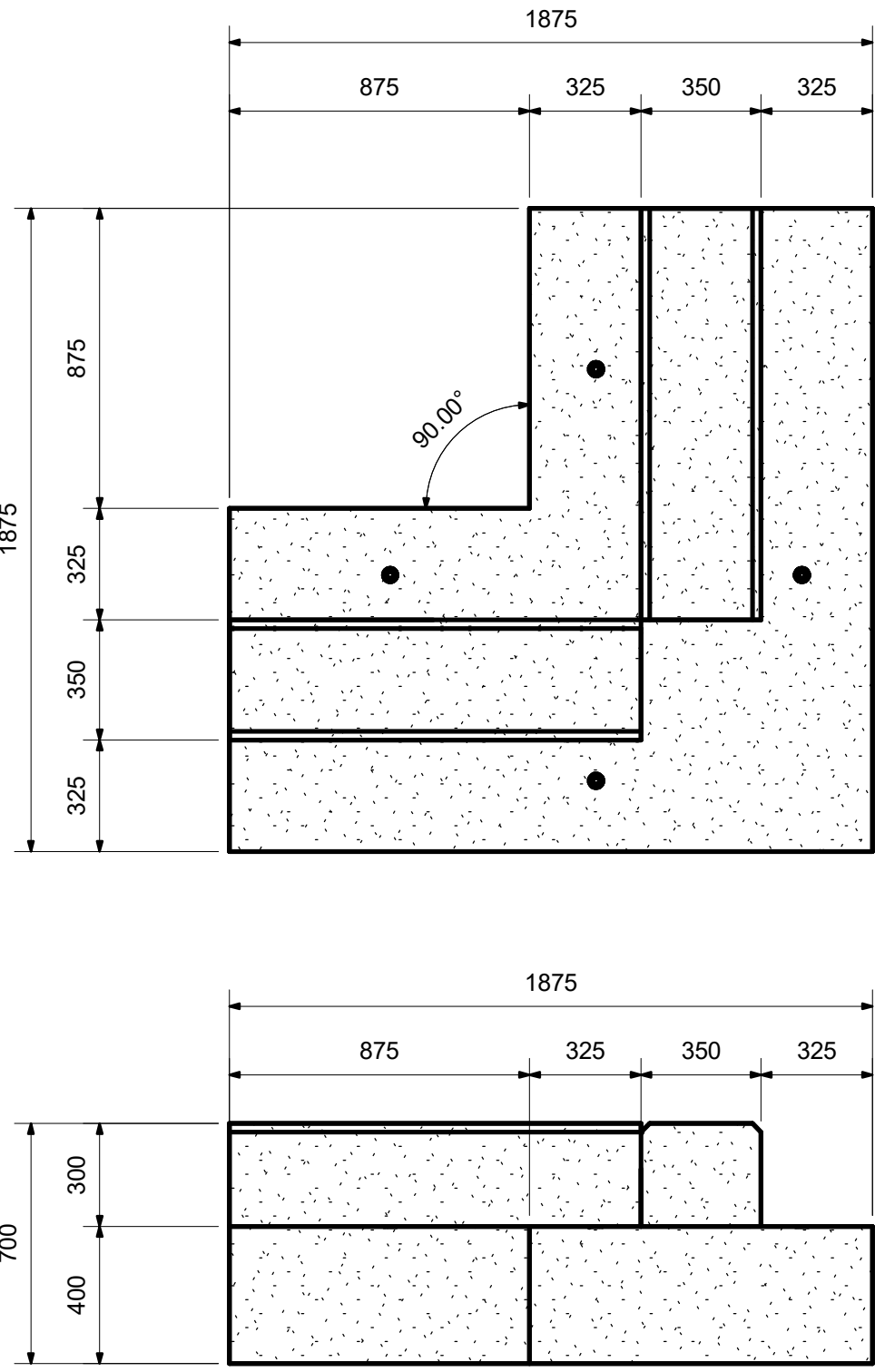
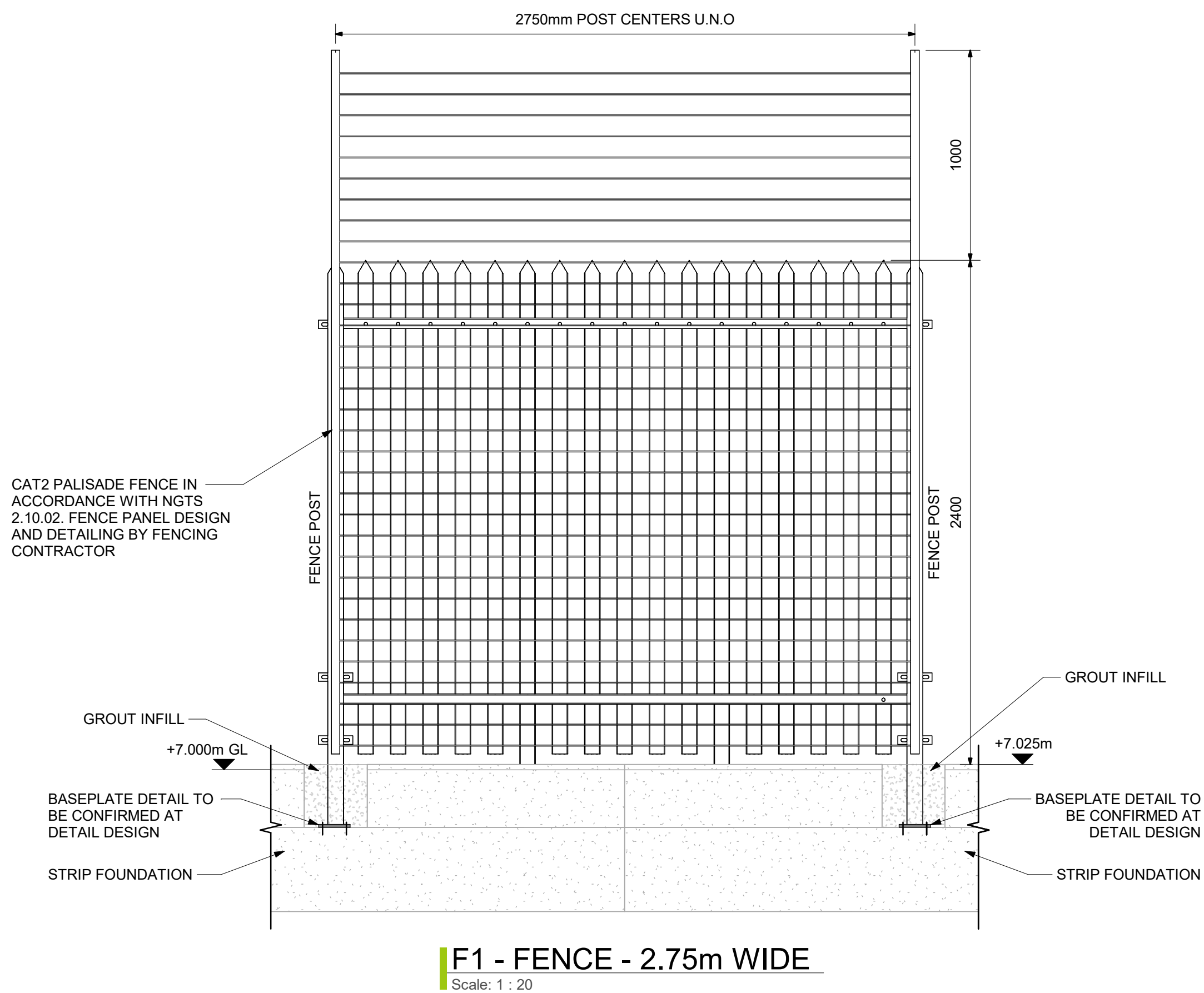
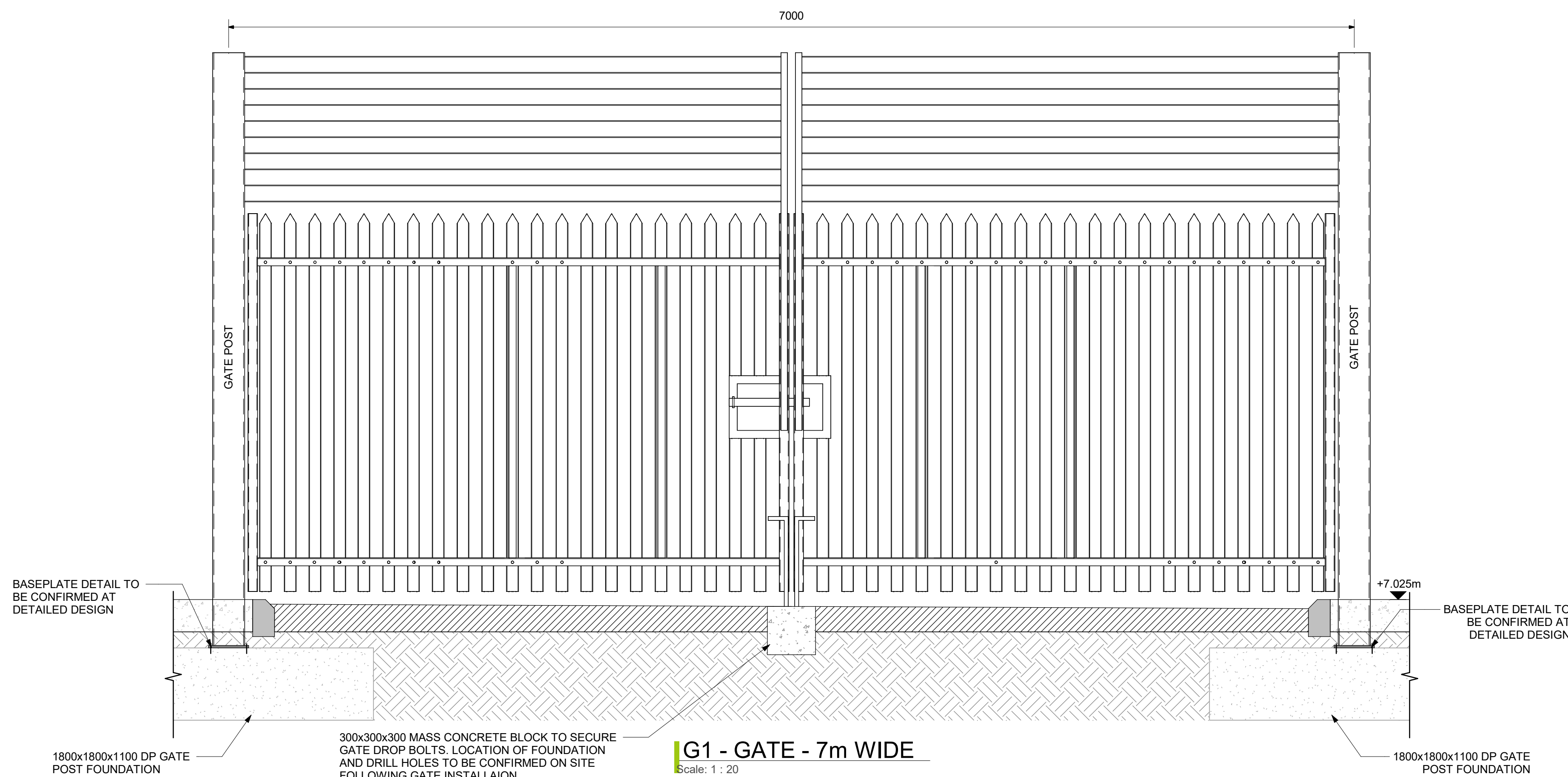




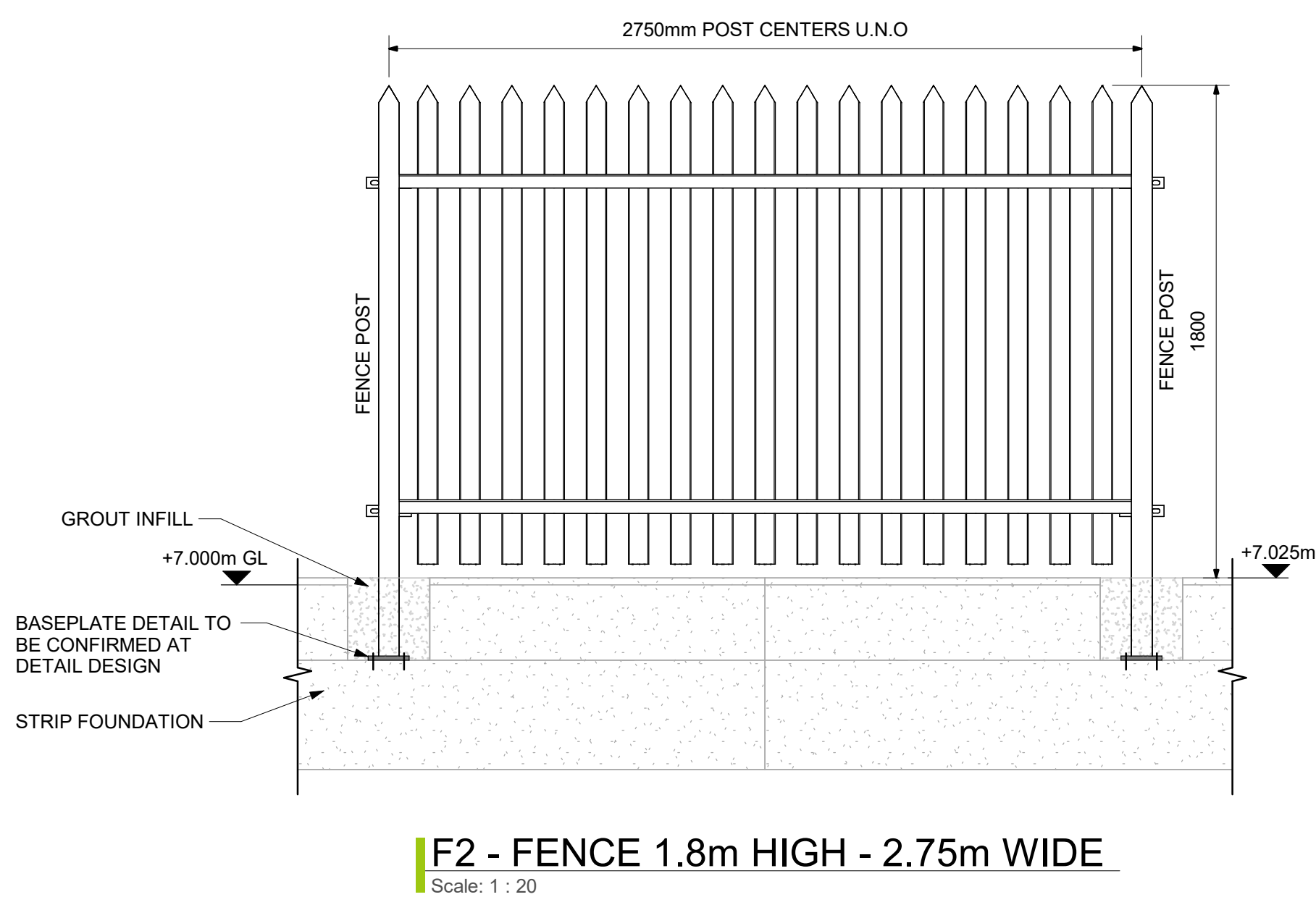
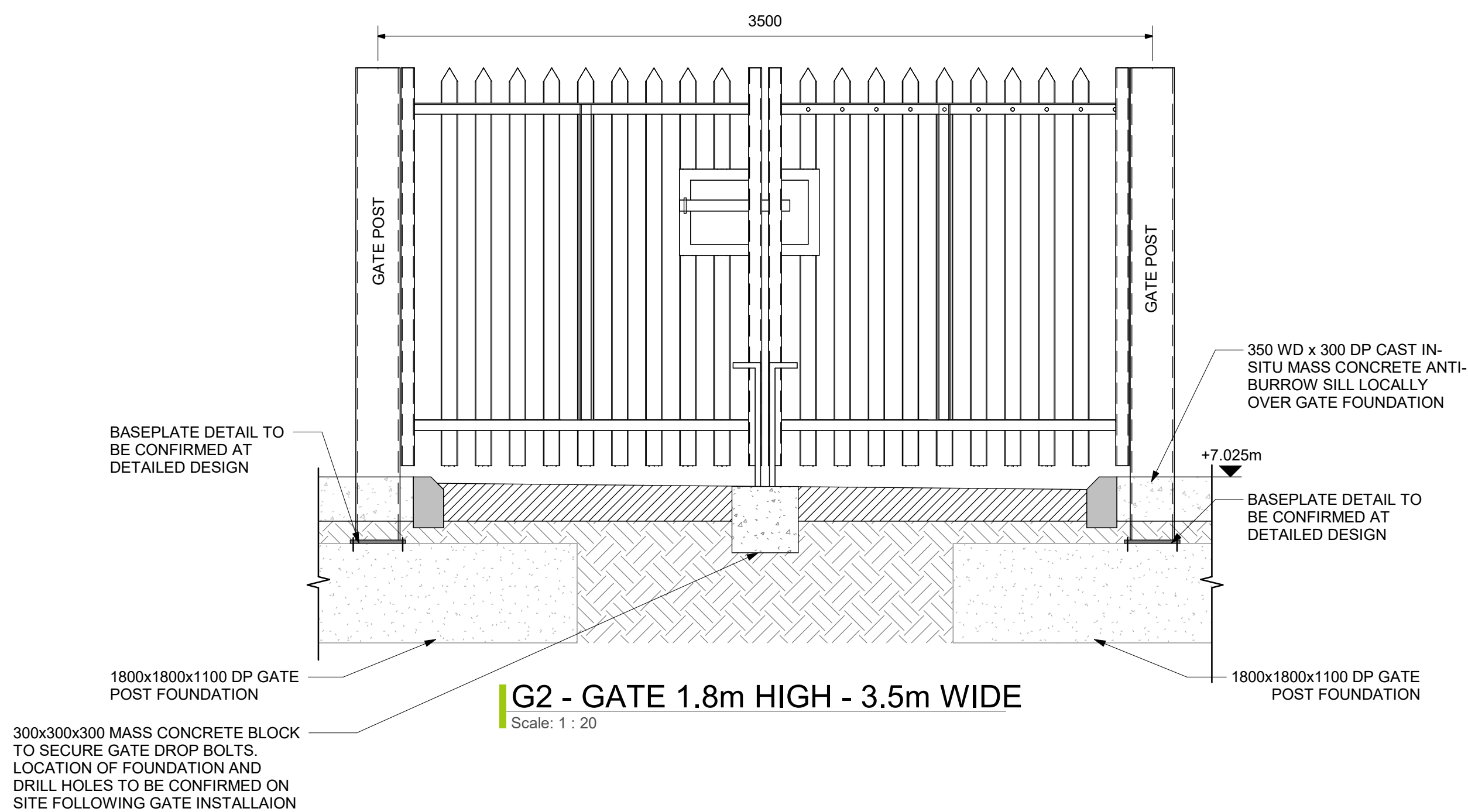
FF1 - FENCE FOUNDATION - STRAIGHT DETAILS
Scale: 1 : 20



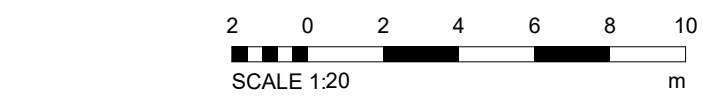
FF2 - FENCE FOUNDATION - 90 BEND DETAILS
Scale: 1 : 20



F1 - FENCE - 2.75m WIDE
Scale: 1 : 20



F2 - FENCE 1.8m HIGH - 2.75m WIDE
Scale: 1 : 20



HEALTH & SAFETY

CDM REGULATIONS 2015

SIGNIFICANT RISKS ASSOCIATED WITH THIS DRAWING ARE IDENTIFIED BELOW AND, WHERE APPLICABLE, AT SPECIFIC LOCATIONS ON THE DRAWING. REFER TO HAZARD REGISTER 09_0005: 300456-BHK-XX-XX-RE-HS-0012 FOR FULL DETAILS

DRAWING PRELIMINARY ONLY. DO NOT CONSTRUCT FROM THIS DRAWING.

- GENERAL NOTES:**
- DO NOT SCALE THIS DRAWING.
 - ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. STRUCTURAL LEVELS IN METRES UNLESS NOTED OTHERWISE AND RELATIVE TO ORIGIN ON LHM.
 - ALL DIMENSIONS MUST BE VERIFIED ON SITE. CONTRACTOR TO NOTIFY ENGINEER OF DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS, SPECIFICATIONS AND OTHER RELEVANT DRAWINGS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, ERECTION AND REMOVAL OF ALL TEMPORARY WORKS ASSOCIATED WITH SAFE ERECTION.
 - SETTING OUT IN ACCORDANCE WITH BS 5864-1 AND BS 5866.
 - BUILDING CONSTRUCTION TOLERANCES IN ACCORDANCE WITH BS EN 13670 CLASS 1.

- FENCING NOTES:**
- ALL FENCING 2.4m HIGH STEEL PALISADE (GALV) TO THE REQUIREMENTS OF: - NGTS 2.10.02 ISSUE 2 PERIMETER SECURITY - TS 3.10.02 ISSUE 2 MATERIALS - BS 1722-12 STEEL PALISADE FENCES
 - PERIMETER FENCING AND GATES CATEGORY 2 - STANDARD (INCORPORATING 3.4m HIGH ELECTRIC PULSE FENCE). INTERNAL FENCING AND GATES CATEGORY 2 - REDUCED.
 - FABRICATION DRAWINGS BY FENCING SUBCONTRACTOR, TO BE REVIEWED BY BARRICKS PRIOR TO CONSTRUCTION.
 - FENCE FOUNDATION DESIGN BASED ON MAXIMUM STRAIN FORCE OF 18kg PER WIRE.
 - SUITABLE SAFETY SIGNAGE REQUIRED IN ACCORDANCE WITH TS 2.10.02 CLAUSE 4.11.

- CONCRETE NOTES:**
- ALL CONCRETE WORKS IN ACCORDANCE WITH BS EN 1992-1-1:2004 WITH UK NATIONAL ANNEX, TS 2.10.03 & TS 3.10.04.
 - ALL STRUCTURAL CONCRETE DESIGNED IN ACCORDANCE WITH BS EN 1992-1-1:2004 AND THE RELEVANT CLAUSES OF BS 8500-1 & 2.
 - CONCRETE GRADE TO BE CONFIRMED. CONTRACTOR TO PROVIDE MIX DESIGNS TO ENGINEER FOR REVIEW.
 - CONCRETE MIX EMBEDDED CARBON TO COMPLY WITH LIMITS AS PER NATIONAL GRID ENGINEERING BULLETIN "INTRODUCTION OF EMBEDDED CARBON LIMITS FOR CONCRETE".
 - ALL CONCRETE FINISHES IN ACCORDANCE WITH BS EN 13070: - BELOW GROUND CONCRETE SURFACES TO RECEIVE BASE FINISH - ABOVE GROUND SLAB SURFACES TO RECEIVE FLAT FORMED FINISH WITH 25mm CHAMFER TO ALL EDGES UNLESS NOTED OTHERWISE - TOP OF ANTI BURROW CILL TO HAVE NOMINAL FALLS AWAY FROM POSTS.

MIX & STRIP FOOTINGS DESIGNED IN ACCORDANCE WITH BS 8500-2 DESIGN CHEMICAL CLASS XC1 STRENGTH CLASS C30/35 MAX W/C RATIO 0.50 PERMITTED CEMENT COMBINATIONS: A3, A4, C3, F4 MAX CEMENT CONTENT: 350 kg/m³ MAX CEMENTitious CONCR: 200 kg/m³ CONSISTENCY: S3 AGGREGATE: 20mm

- REINFORCEMENT NOTES:**
- ALL REINFORCEMENT TO BE IN ACCORDANCE WITH: - BS4449:2005 - SPECIFICATION FOR CARBON STEEL BARS FOR REINFORCEMENT OF CONCRETE - BS4442:2005 - SPECIFICATION FOR COLD REDUCED STEEL WIRE FOR THE REINFORCEMENT OF CONCRETE - BS4483:2005 - SPECIFICATION FOR STEEL FABRIC FOR THE REINFORCEMENT OF CONCRETE - BS8006:2005 - COMPLEMENTARY STANDARD TO BS EN 206-1:BS8006:2005 SCHEDULE 260 CONCERNING BENDING AND CUTTING OF STEEL REINFORCEMENT FOR CONCRETE
 - MESH REINFORCEMENT TO BE PROVIDED WITH FLYING ENDS TO PROVIDE MINIMUM LAP: 50 x BAR DIAMETER (GOOD BOND CONDITIONS) 80 x BAR DIAMETER (POOR BOND CONDITIONS)
 - NOMINAL COVER TO REINFORCEMENT TO BE 50mm TO ANY EDGE WITH A FIXING TOLERANCE OF +5mm.
 - ALL MESH REINFORCEMENT IN ACCORDANCE WITH BS 4449 & BS 4483. GRADE B500A WITH CHARACTERISTIC STRESS $f_y = 500$ N/mm².
 - CONTRACTOR TO PROVIDE SPACERS & CHAIRS IN ACCORDANCE WITH BS 7973-1. CONTINUOUS CONCRETE BLOCK SPACERS MAY NOT BE USED. SPACERS SHOULD NOT PREVENT THE PENETRATION AND COMPACTION OF CONCRETE.

- EARTHWORKS:**
- ALL BACKFILLING AND STRUCTURAL FILL SHALL BE WELL COMPACTED IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAYS WORKS SERIES 600 - EARTHWORKS AND NOTE 3.10.03.
 - EXISTING FORMATION TO BE WELL COMPACTED BEFORE LAYING BLINDING.
 - ANY BACKFILL WITHIN 500mm OF FOUNDATION MUST BE CLASSED AS NO MORE ONEROUS THAN BS1:1 AC1.
 - IDENTIFIED SOFT SPOTS TO BE REPLACED WITH WELL COMPACTED BACKFILL.

LAING O'ROURKE

PRELIMINARY

Rev	Description	Rev	Rev	Date
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nationalgrid

Master Scheme No:	Sub-Scheme No:	Site:
101677		PORT TALBOT

Scheme Name: MARGAM CONNECTION

Document Title: PORT TALBOT FENCING FOUNDATION DETAILS SHEET 01 OF 02

Created by:	Date:	Checked by:	Date:	Approved by:	Date:
JN	13/06/2025	As Indicated	AO		

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