

Approved by Design Leader
 Johann Erwee
 Professional Engineer
 ECSA : 780325

No.	DATE	AMENDMENT	D.P.W.
A2	29-10-17	ENERGY STORAGE & EQUIPMENT ROOM AND GENERAL SITE LAYOUT REVISED	M de KOCK
A3	17-05-18	YEAR 2000 FLOOD LEVEL CORRECTED	M de KOCK
A4	19-06-19	ARRAYS 14, 15 & 16 ADDED	M de KOCK
A5	14-08-23	PROJECT DESCRIPTION REVISED	CJ LOURENS

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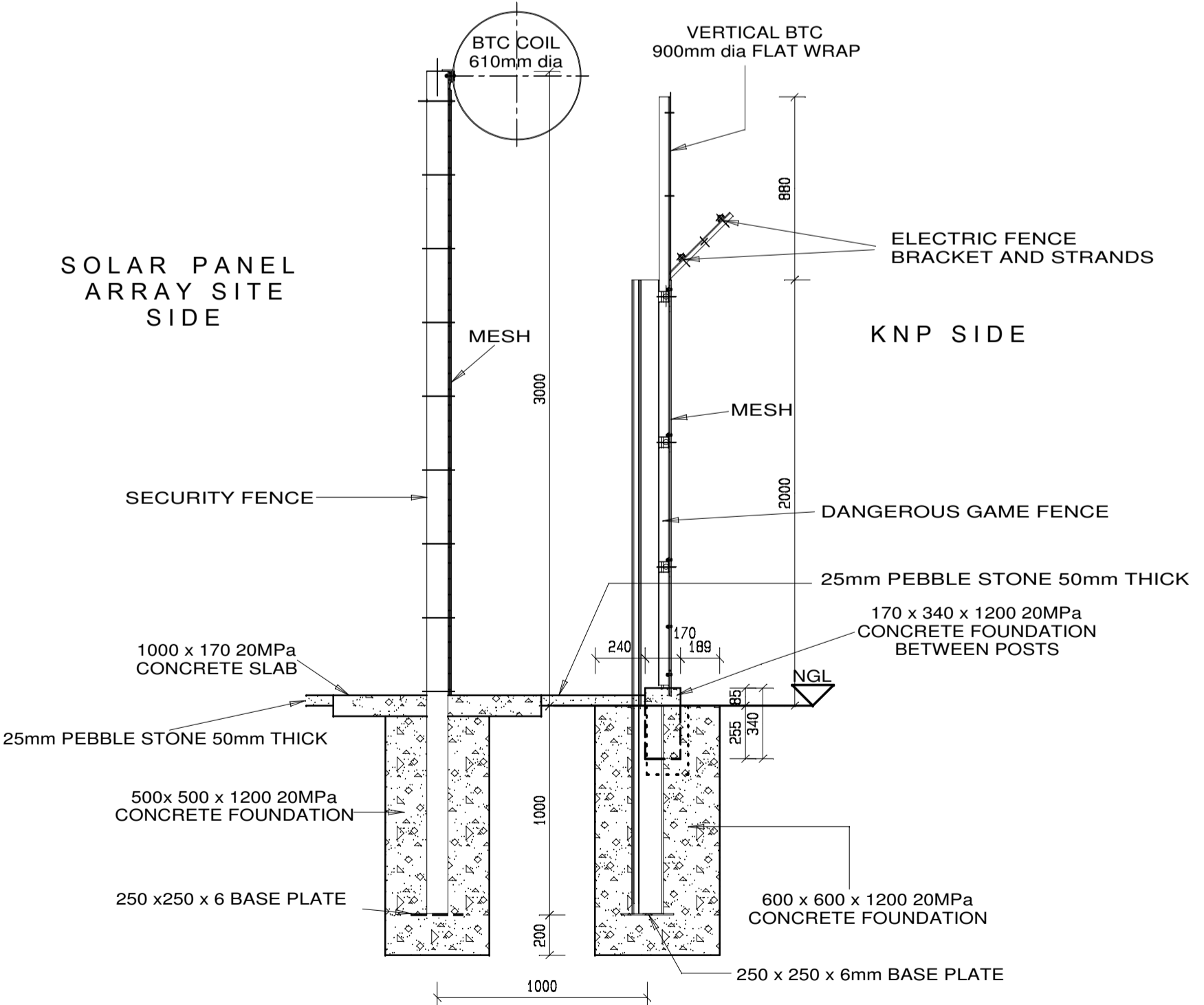
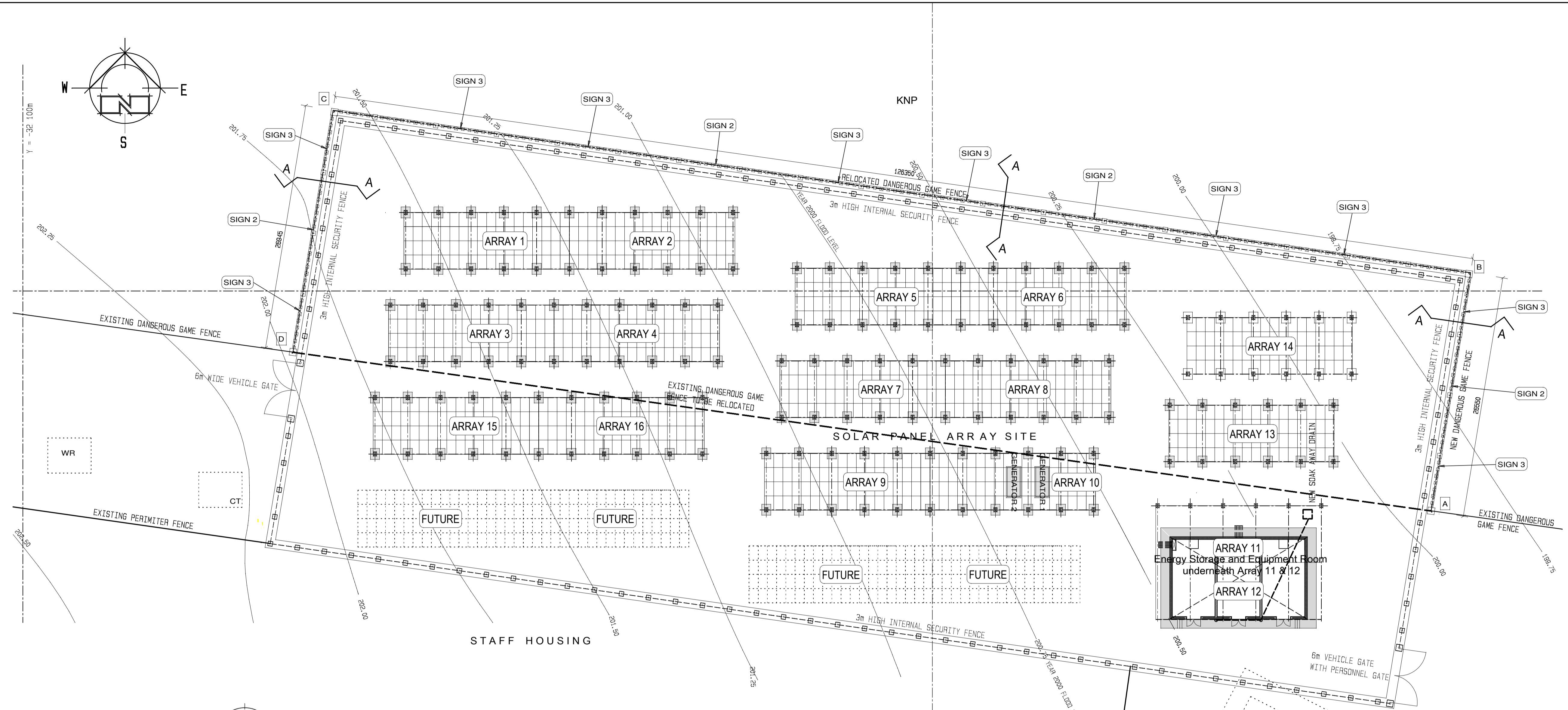
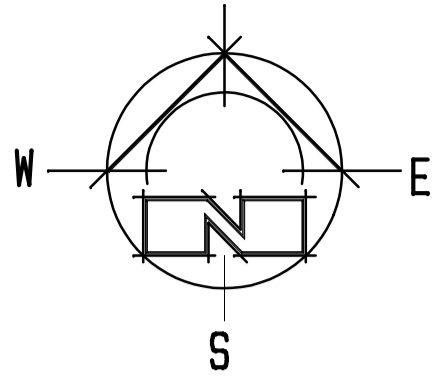
cad file name	page type
EE10492/250-01/A5	A 1

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discipline
ELECTRICAL ENGINEERING SERVICES
 service
PAFURI LAND PORT OF ENTRY (LPOE): SUPPLY AND INSTALLATION OF SOLAR PANEL AND WASTE WATER FACILITY
 WCS number **052476**
 drawing title
SITE PLAN 3m HIGH INNER SECURITY FENCE
 ref.no. 6022/0079/20B designed M de KOCK
 scale 1:250 drawn Draftplan
 date 20 / 06 / 2014 checked M de KOCK
 DPW drawing number
EE10492/250-01/A5

Refer to drawings: EE10492/250/03/A2, EE10492/250/04/A2 and EE10492/250/05/A2 for details of INNER SECURITY FENCE & GATES



TYPICAL SECTION A-A
INNER SECURITY & DANGEROUS GAME FENCE:
Scale 1:25

Approved by Design Leader
Johann Erwee
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ALL SIGNS IN ACCORDANCE WITH SANS AND ISO STANDARDS

Refer to drawing EE10492/250/06/A2 for details of DANGEROUS GAME FENCE

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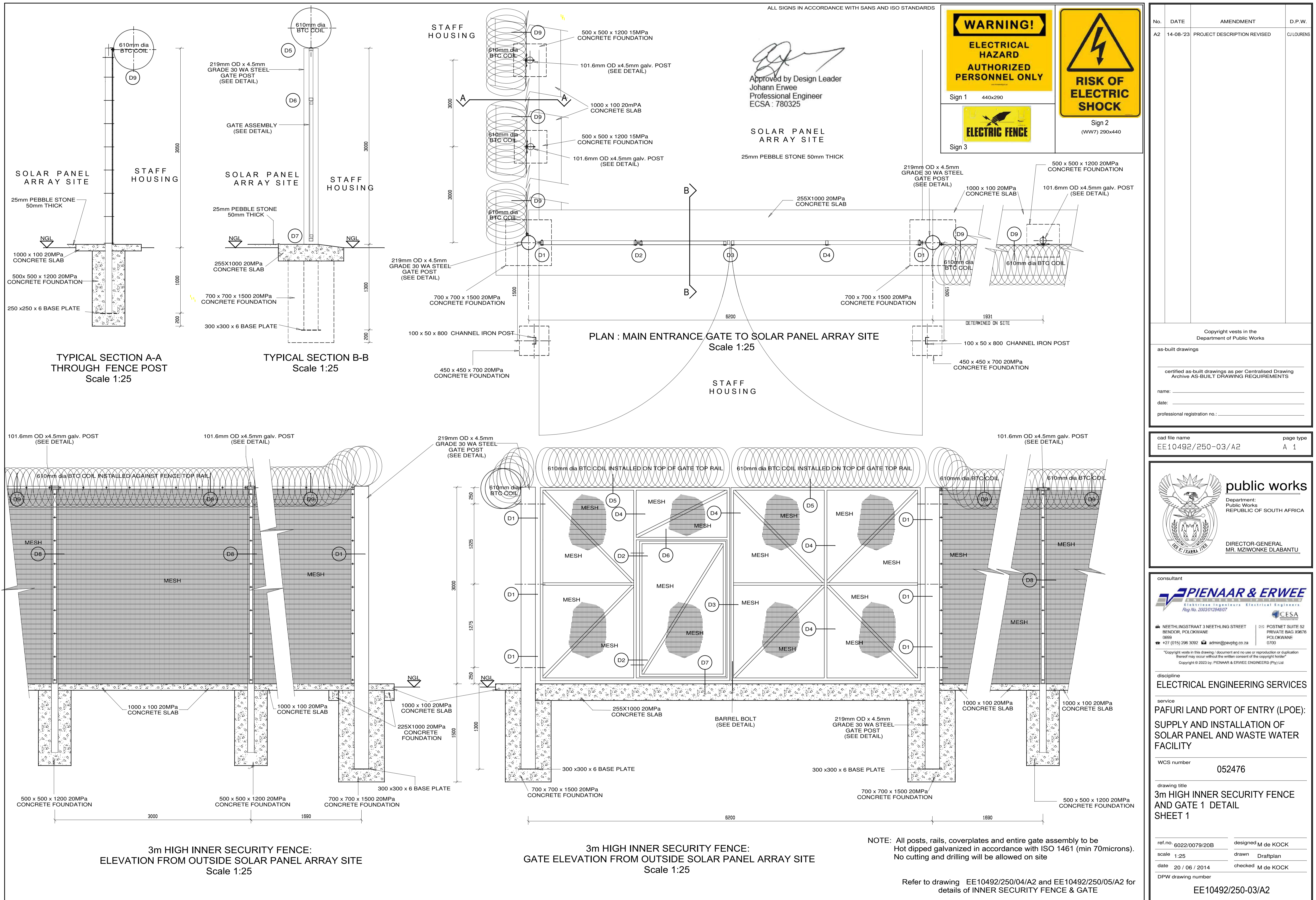
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SUPPLY AND INSTALLATION OF SOLAR PANEL AND WASTE WATER FACILITY

WCS number: 052476

drawing title
**SITE PLAN
3m HIGH DANGEROUS GAME FENCE**

ref.no: 6022/0079/20B designed M de KOCK
scale 1:250 drawn Draftplan
date 20 / 06 / 2014 checked M de KOCK

DPW drawing number
EE10492/250-02/A4



ALL SIGNS IN ACCORDANCE WITH SANS AND ISO STANDARDS

WARNING!
ELECTRICAL HAZARD
AUTHORIZED PERSONNEL ONLY

Sign 1 440x290

ELECTRIC FENCE

Sign 3

RISK OF ELECTRIC SHOCK

Sign 2 (WWW) 290x440

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SOLAR PANEL ARRAY SITE
25mm PEBBLE STONE 50mm THICK

PLAN : MAIN ENTRANCE GATE TO SOLAR PANEL ARRAY SITE
Scale 1:25

TYPICAL SECTION A-A THROUGH FENCE POST
Scale 1:25

TYPICAL SECTION B-B
Scale 1:25

3m HIGH INNER SECURITY FENCE:
ELEVATION FROM OUTSIDE SOLAR PANEL ARRAY SITE
Scale 1:25

3m HIGH INNER SECURITY FENCE:
GATE ELEVATION FROM OUTSIDE SOLAR PANEL ARRAY SITE
Scale 1:25

NOTE: All posts, rails, coverplates and entire gate assembly to be Hot dipped galvanized in accordance with ISO 1461 (min 70microns). No cutting and drilling will be allowed on site

Refer to drawing EE10492/250/04/A2 and EE10492/250/05/A2 for details of INNER SECURITY FENCE & GATE

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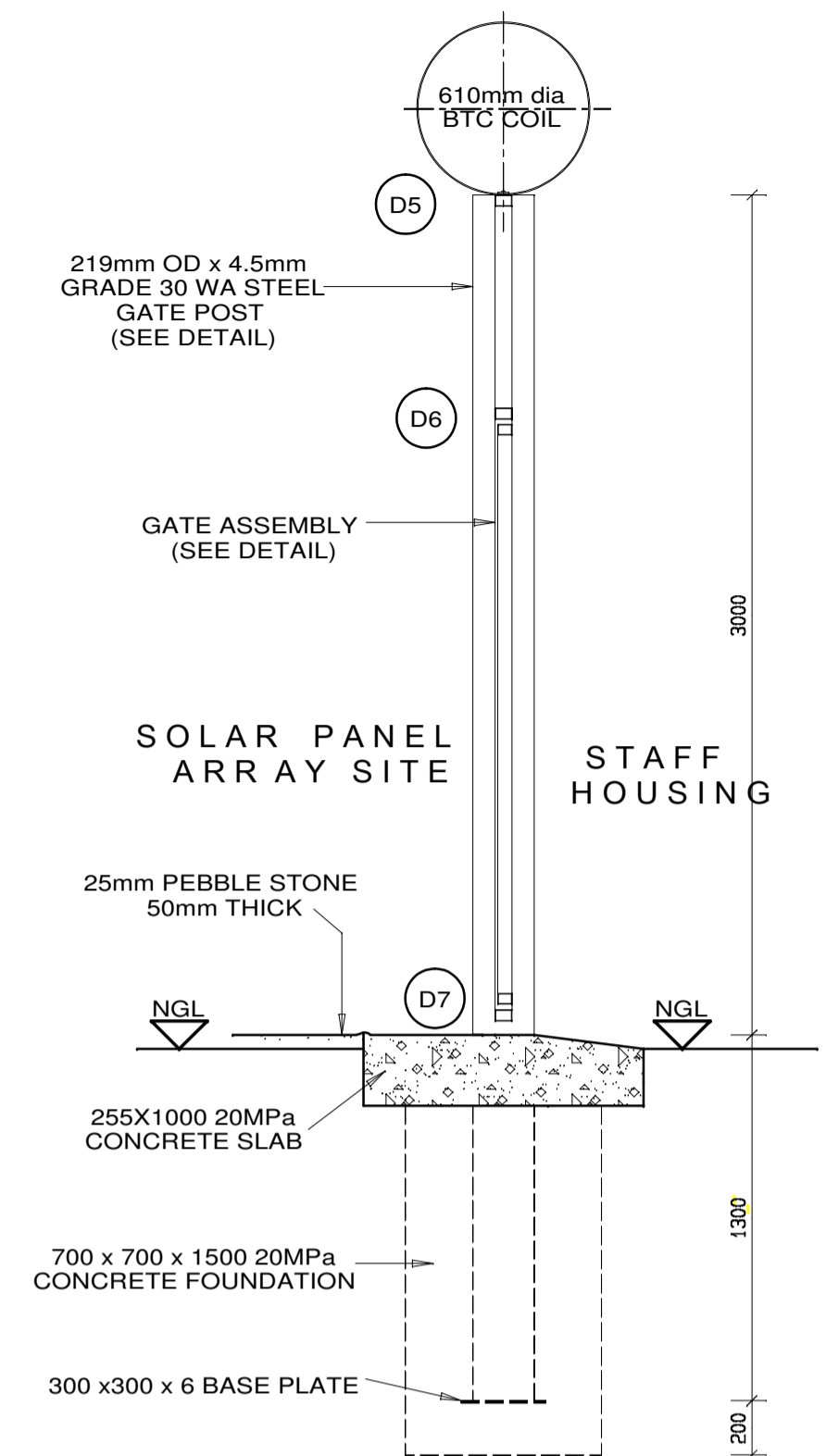
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service
PAFURI LAND PORT OF ENTRY (LPOE):
SUPPLY AND INSTALLATION OF SOLAR PANEL AND WASTE WATER FACILITY

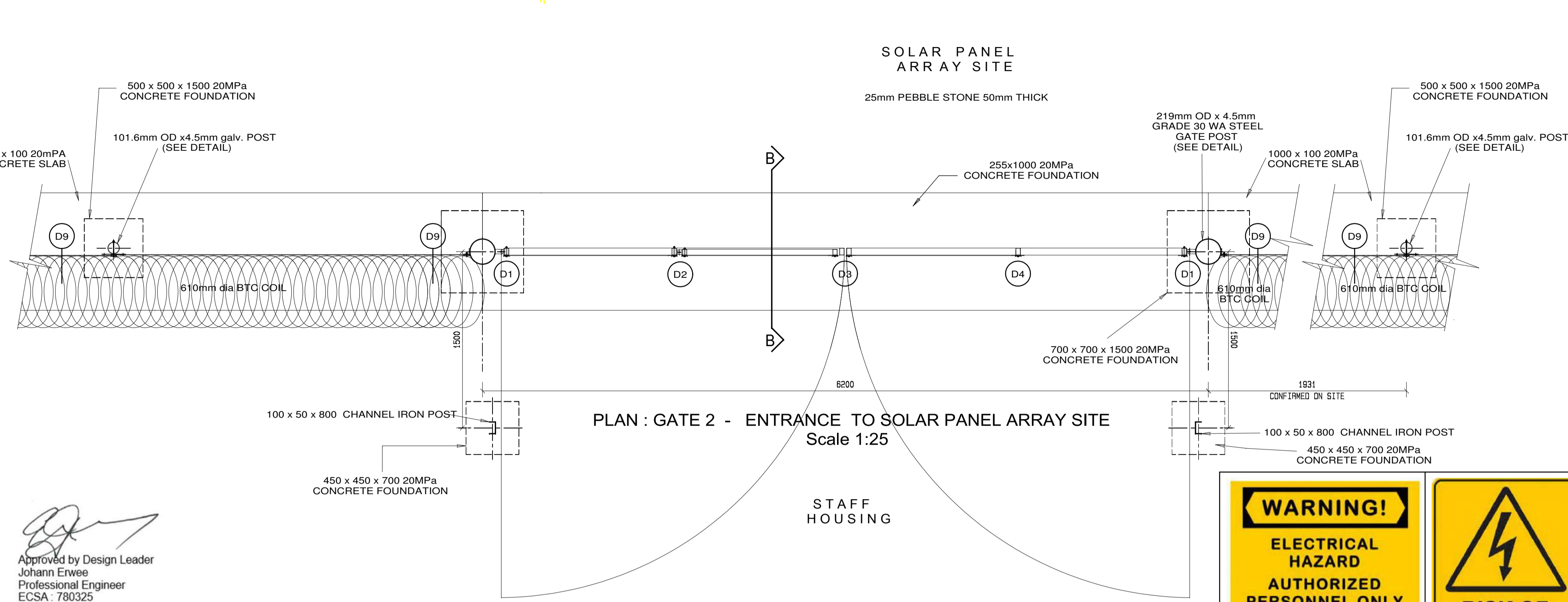
WCS number: 052476

drawing title
3m HIGH INNER SECURITY FENCE AND GATE 1 DETAIL
SHEET 1

ref.no: 6022/0079/20B designed M de KOCK
scale 1:25 drawn Draftplan
date 20 / 06 / 2014 checked M de KOCK
DPW drawing number EE10492/250-03/A2

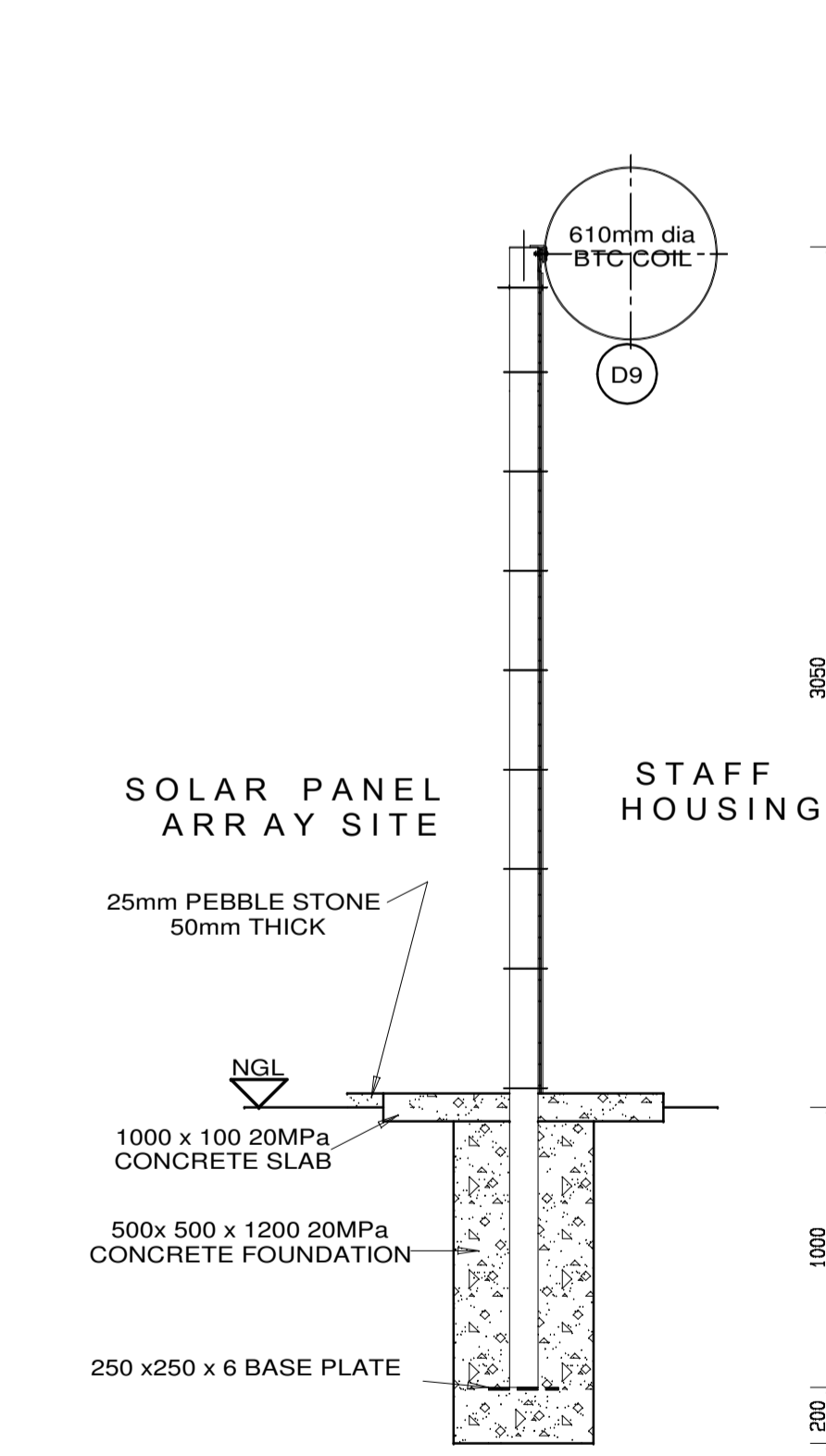


TYPICAL SECTION B-B
Scale 1:25

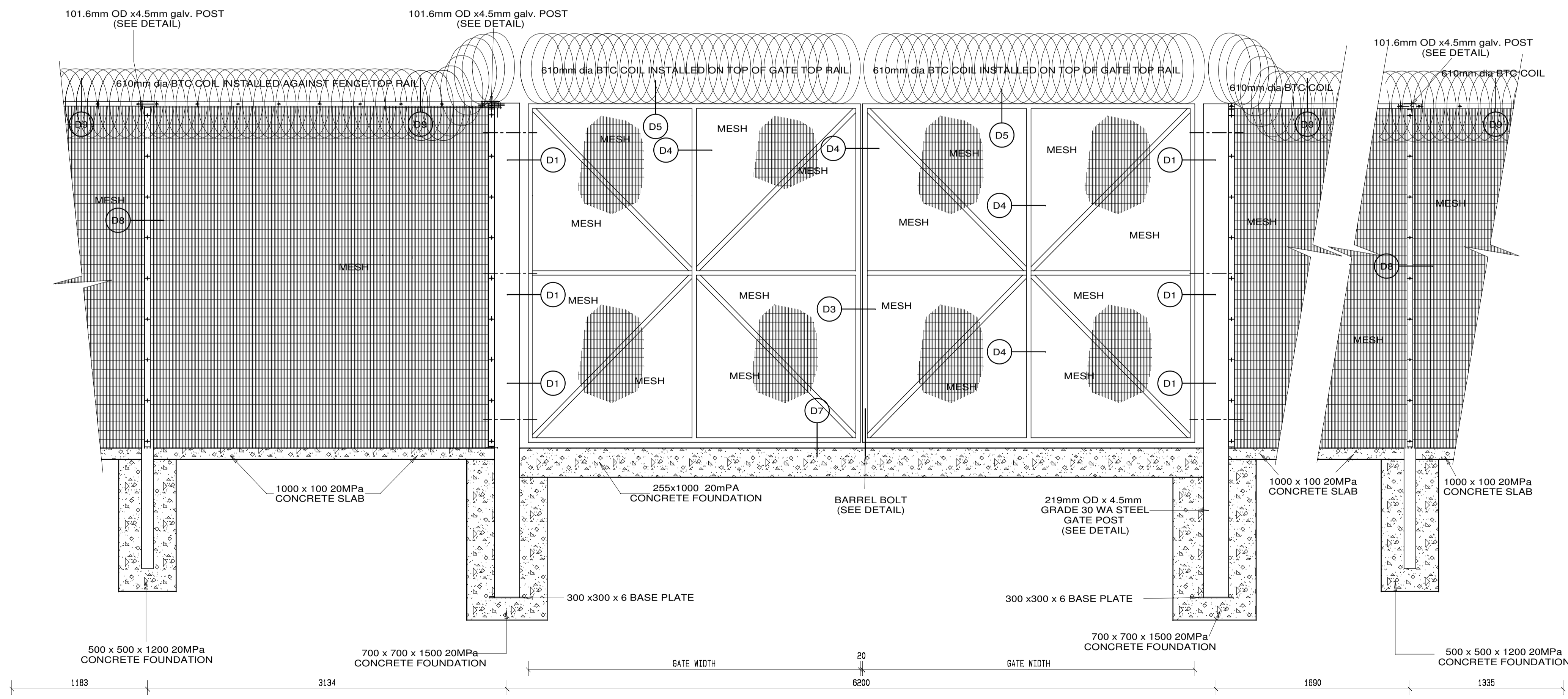


PLAN : GATE 2 - ENTRANCE TO SOLAR PANEL ARRAY SITE
Scale 1:25

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Professional Engineer
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TYPICAL SECTION A-A
THROUGH FENCE POST
Scale 1:25



3m HIGH INNER SECURITY FENCE:
GATE 2 - ELEVATION FROM OUTSIDE SOLAR PANEL ARRAY SITE
Scale 1:25

NOTE: All posts, rails, coverplates and entire gate assembly to be Hot dipped galvanized in accordance with ISO 1461 (min 70microns). No cutting and drilling will be allowed on site

Refer to drawing EE10492/250/05/A2 for details of INNER SECURITY FENCE & GATE

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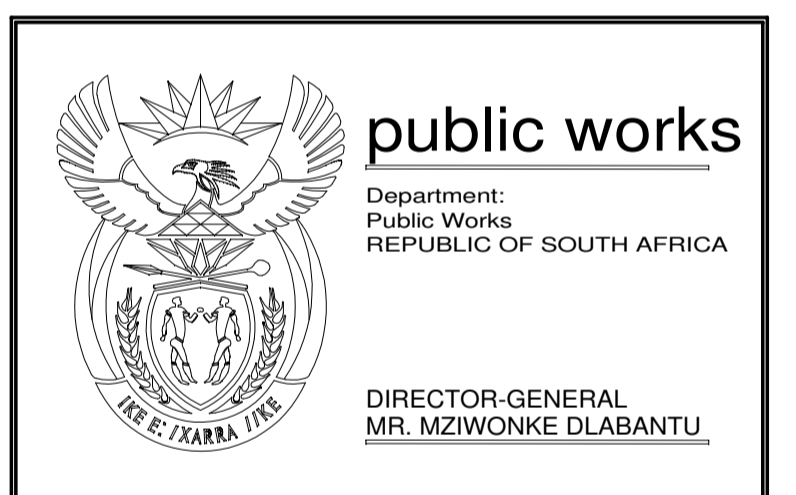
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service
PAFURI LAND PORT OF ENTRY (LPOE):
SUPPLY AND INSTALLATION OF
SOLAR PANEL AND WASTE WATER
FACILITY

WCS number
052476

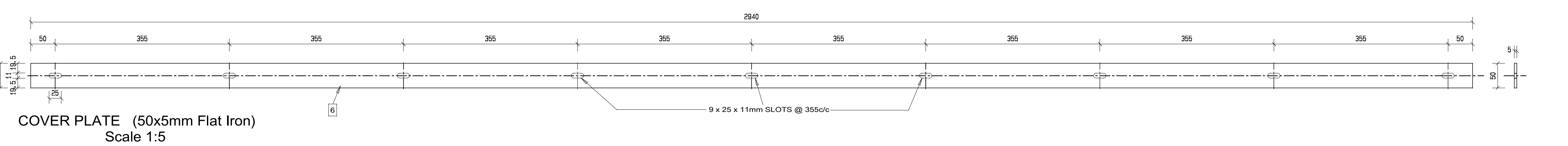
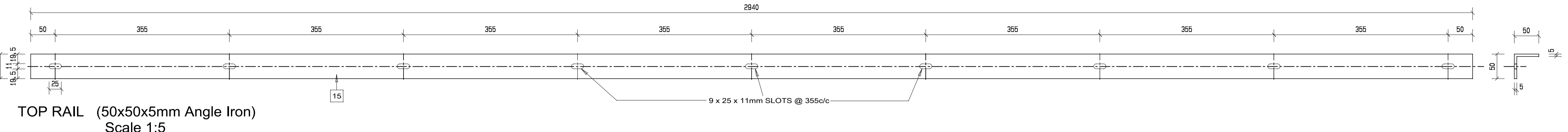
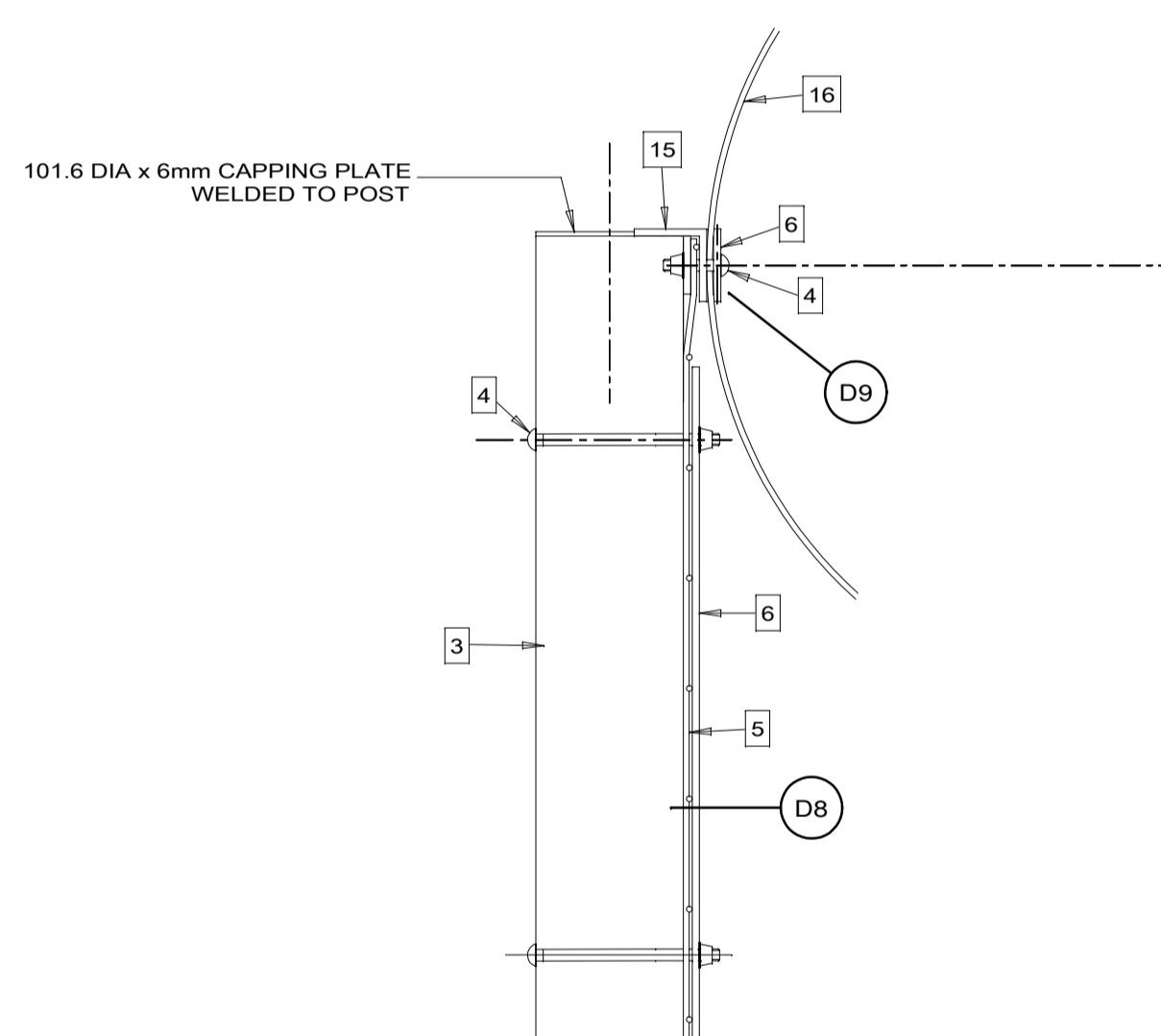
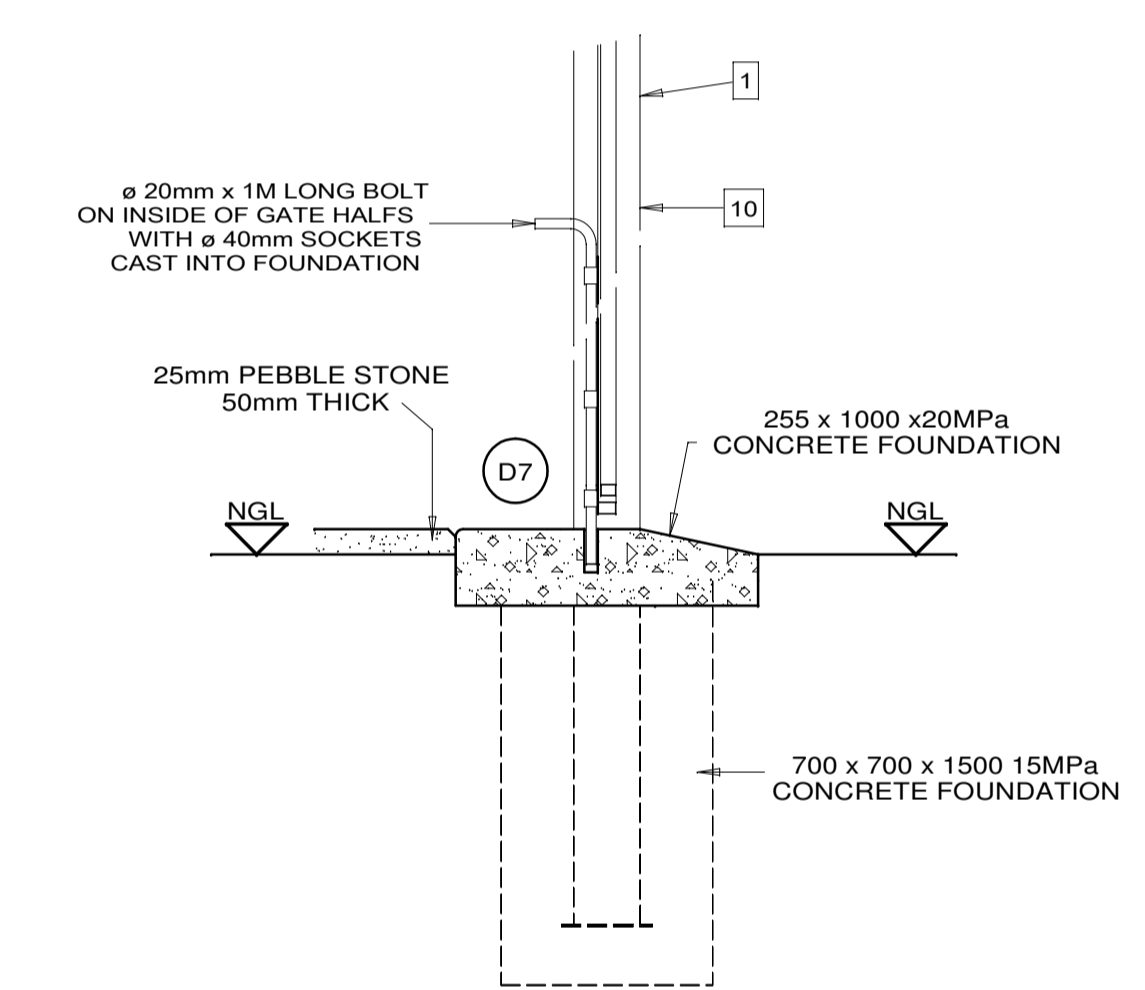
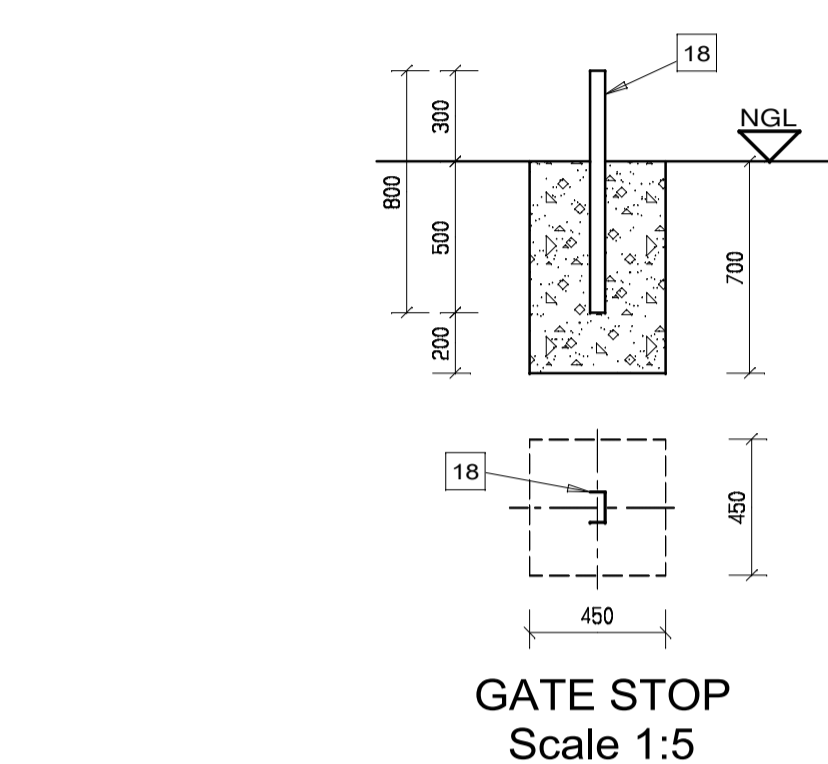
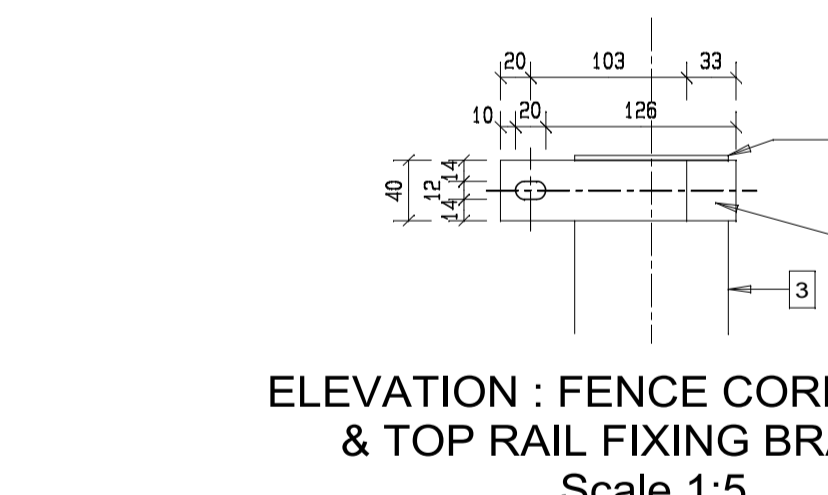
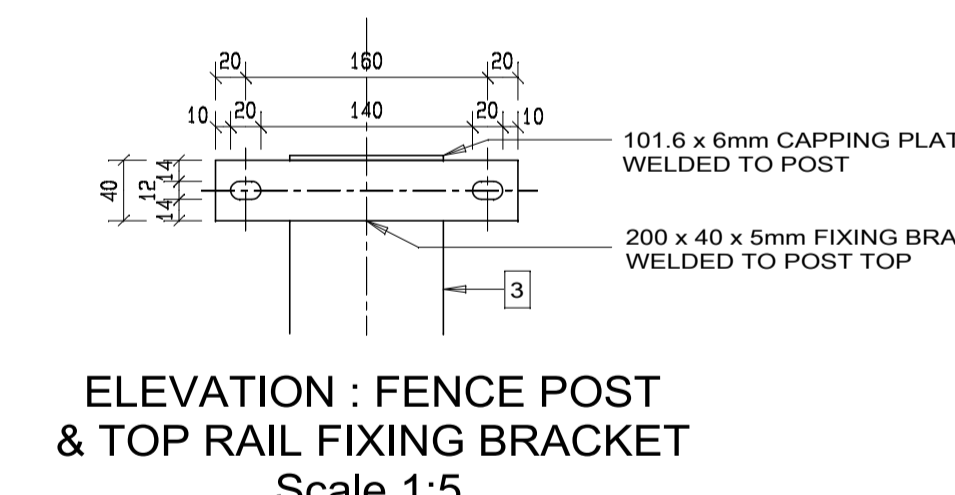
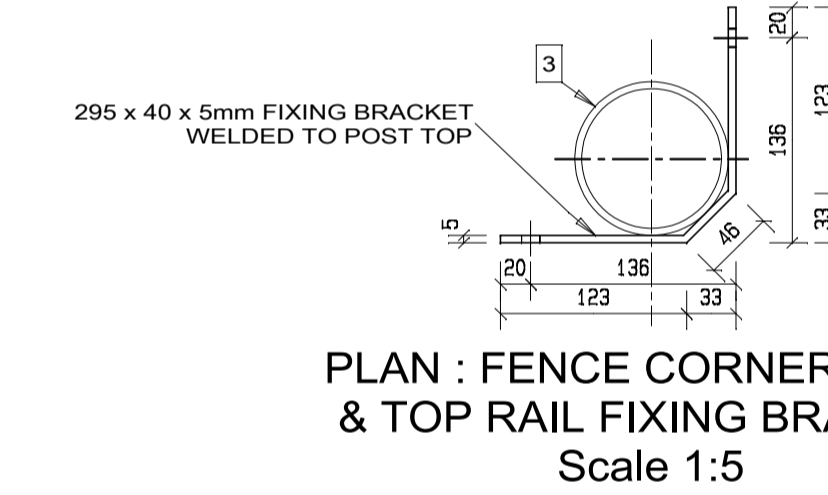
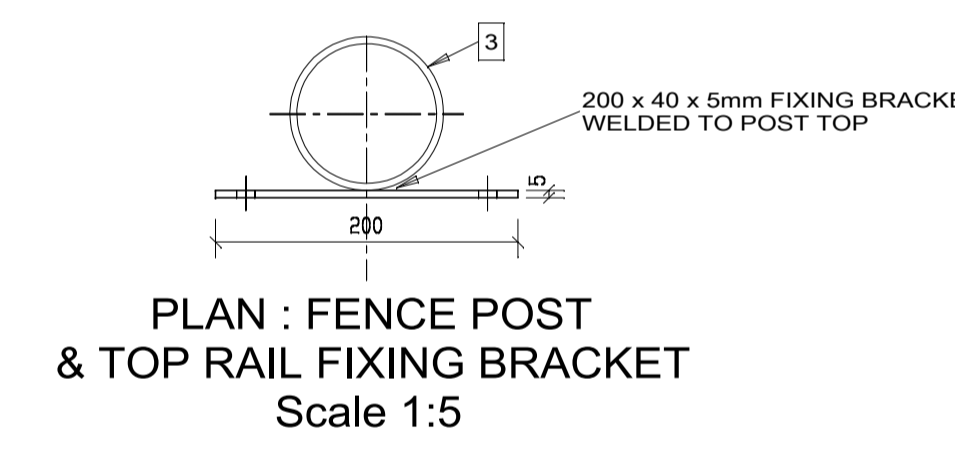
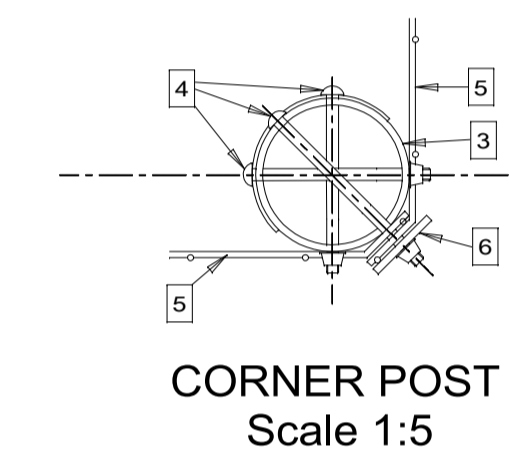
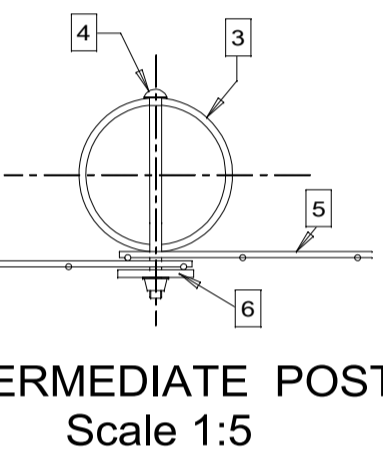
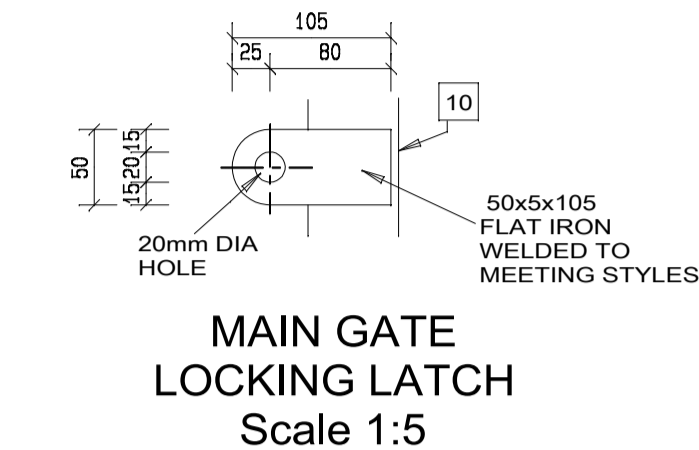
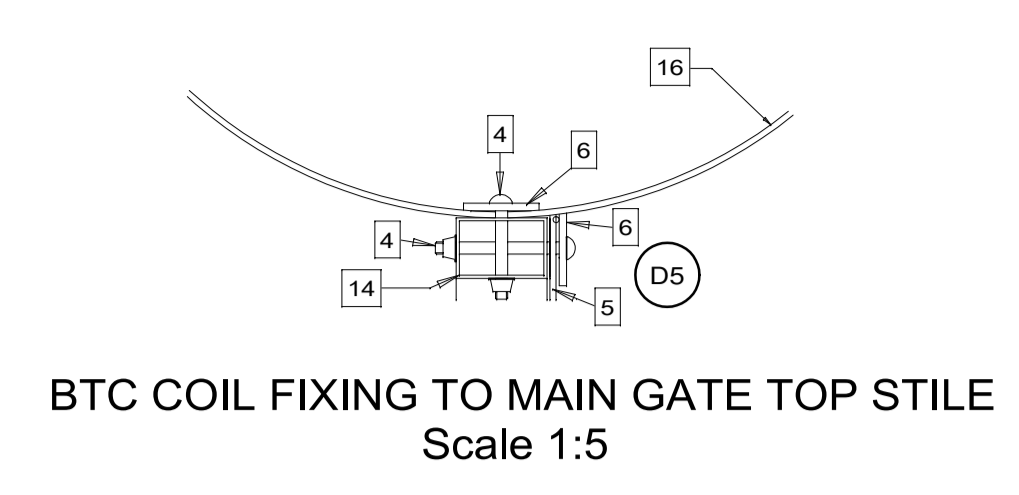
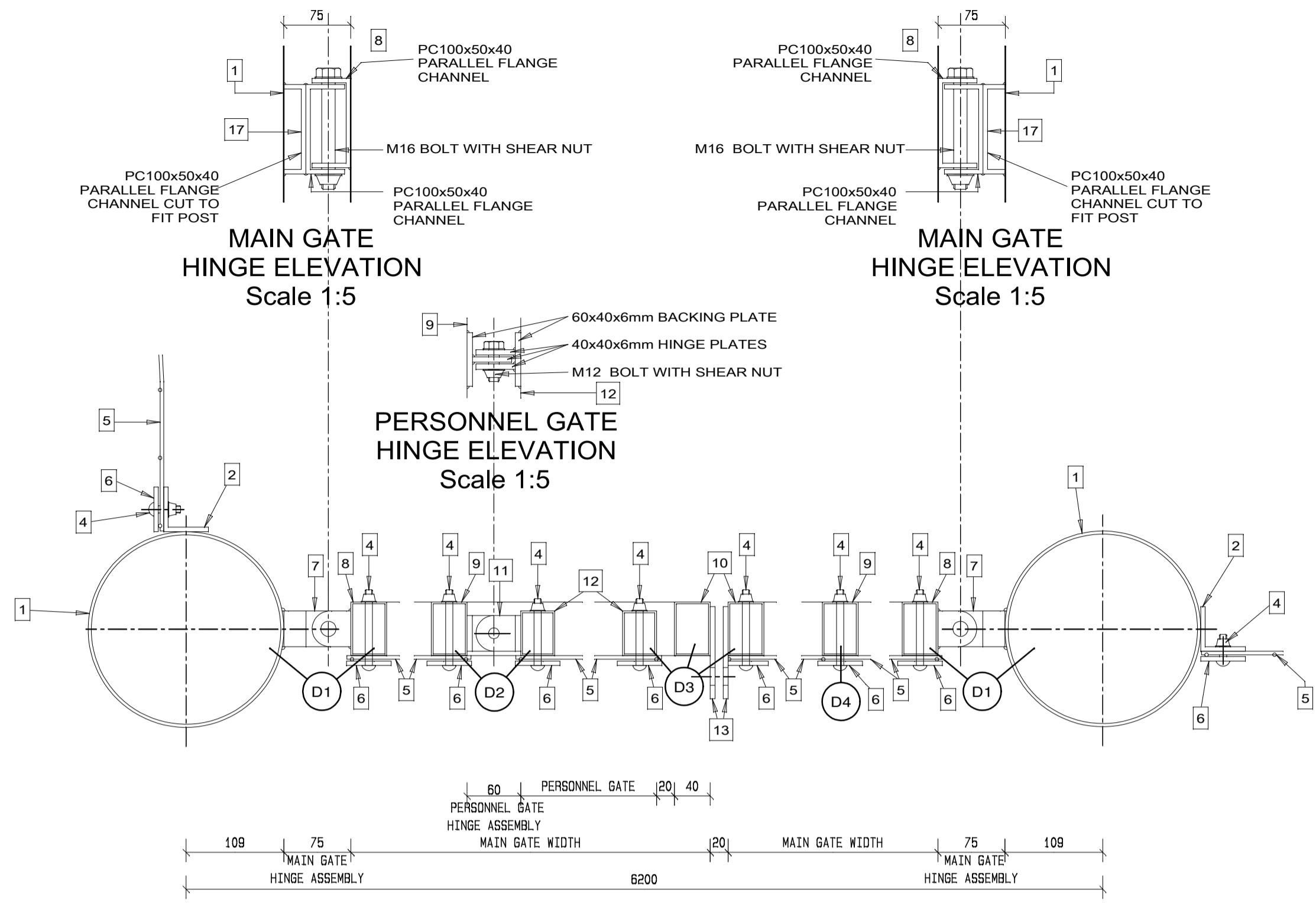
drawing title
**3m HIGH INNER SECURITY FENCE
AND GATE 2 DETAIL
SHEET 2**

ref.no. 6022/0079/20B	designed M de KOCK
scale 1:25	drawn Draftplan
date 12 / 05 / 2014	checked M de KOCK

DPW drawing number
EE10492/250-04/A2

1	219mm OD x 4.5mm GRADE 30 WA STEEL GATE POST ASSEMBLY. FILLED WITH 15MPa CONCRETE
2	50x50x5mm ANGLE CONTINUOUS FROM GROUND TO u/s ANGLE TOP RAIL WELDED TO POST @ 200mm c/c max.
3	101.6mm OD x 4.5mm GALV FENCE POST ASSEMBLY
4	M8 GALV CUP SQ BOLTS & SHEAR NUTS @ 381c/c
5	MESH FENCE PANEL
6	50x5mm COVER PLATE
7	MAIN GATE HINGE ASSEMBLY
8	60x40x2mm HINGE STILE
9	60x40x2mm CENTRE MULLION
10	60x40x2mm MEETING STILES
11	PERSONNEL GATE HINGE ASSEMBLY
12	50x38x2mm GATE FRAME
13	MAIN GATE LOCKING LATCH
14	60x40x2mm TOP / BOTTOM STILE
15	25x25x5mm ANGLE TOP RAIL
16	BTC COIL
17	PC100x50x800 PARALLEL FLANGE CHANNEL

NOTE: All posts, rails, coverplates and entire gate assembly to be Hot dipped galvanized in accordance with ISO 1461 (min 70microns). No cutting and drilling will be allowed on site



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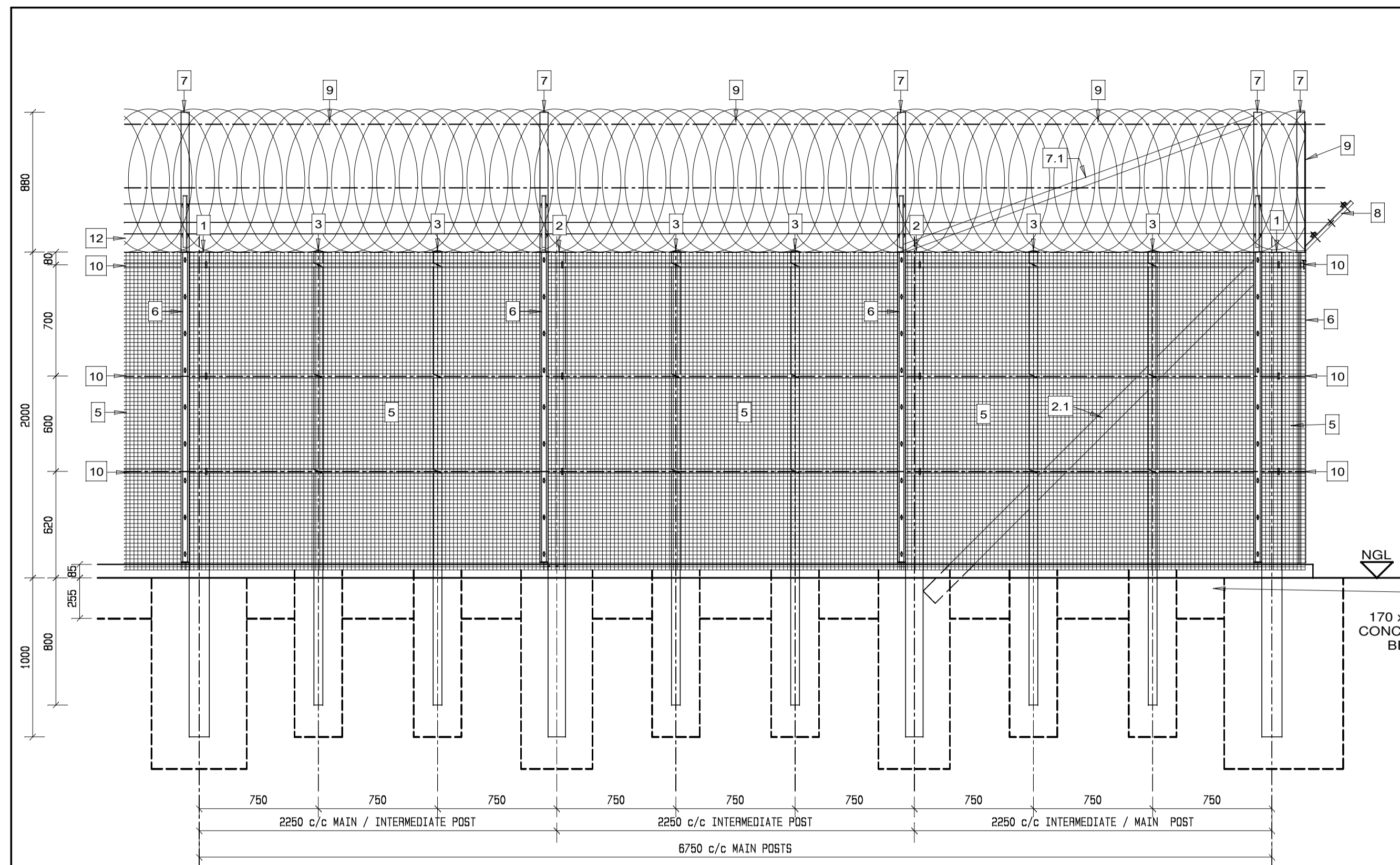
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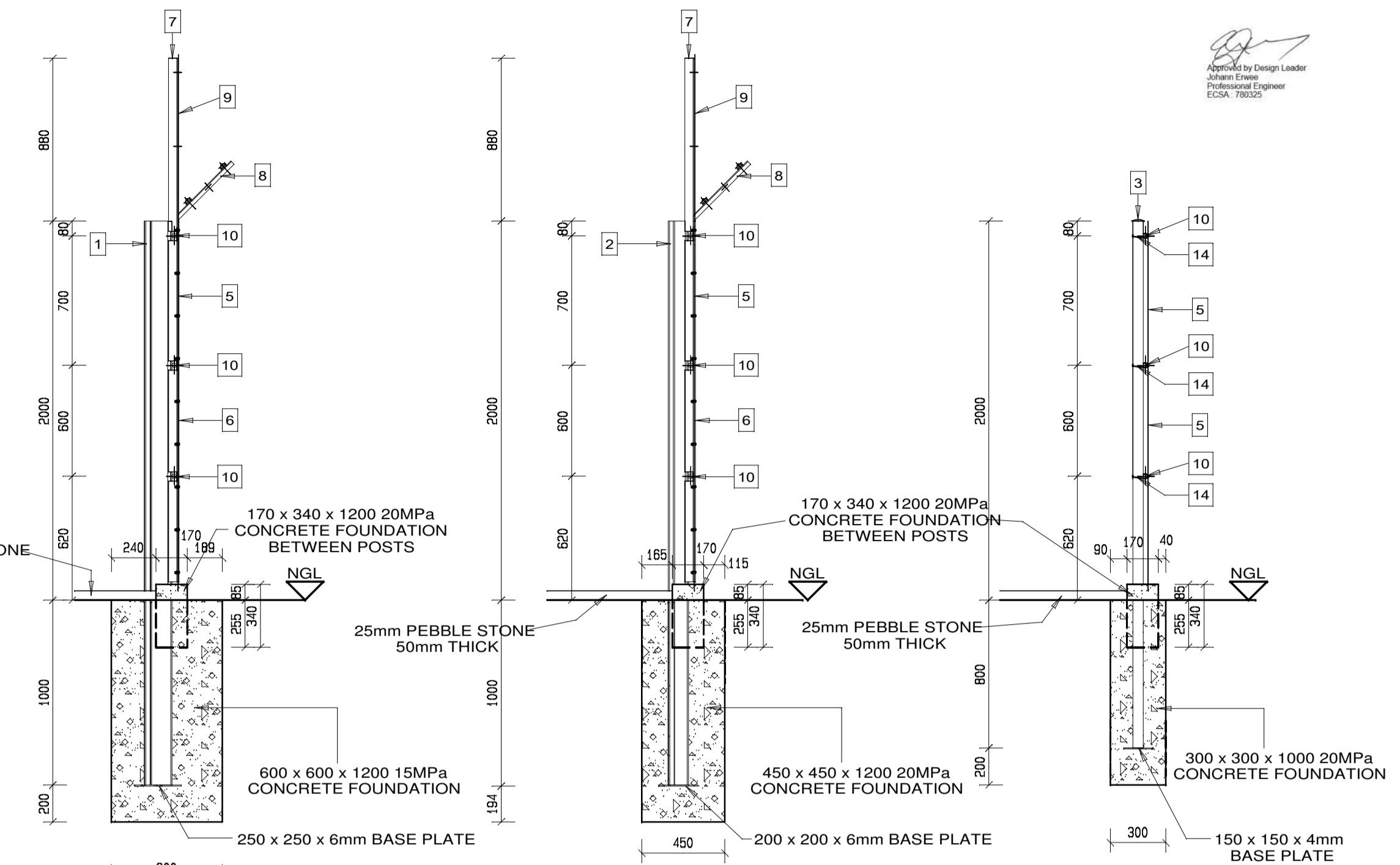
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service: PAFURI LAND PORT OF ENTRY (LPOE): SUPPLY AND INSTALLATION OF SOLAR PANEL AND WASTE WATER FACILITY
WCS number: 052476
drawing title: 3m HIGH INNER SECURITY FENCE AND GATE CONSTRUCTION DETAILS SHEET 3
ref.no: 6022/0079/20B designed M de KOCK
scale: SHOWN drawn Draftplan
date: 12 / 05 / 2014 checked M de KOCK
DPW drawing number: EE10492/250-05/A2



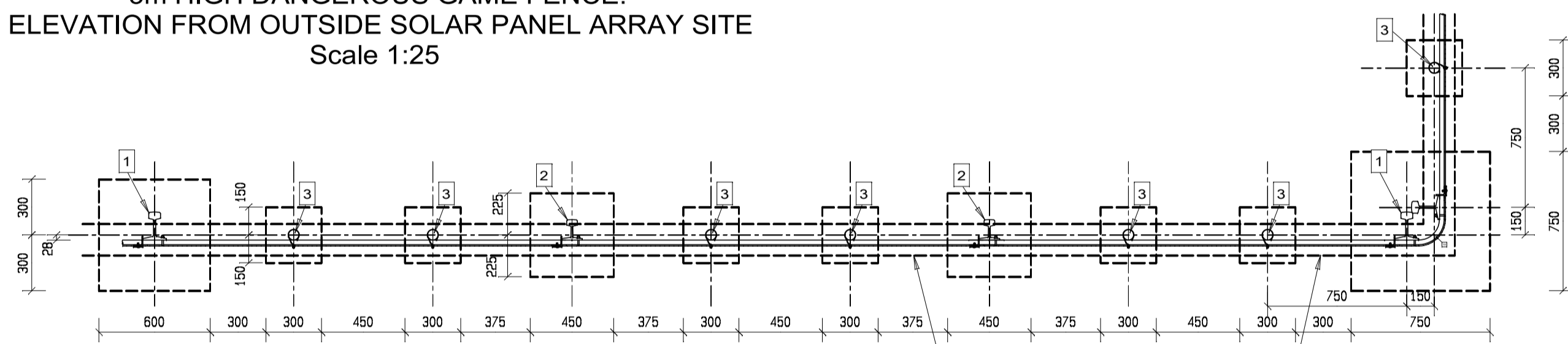
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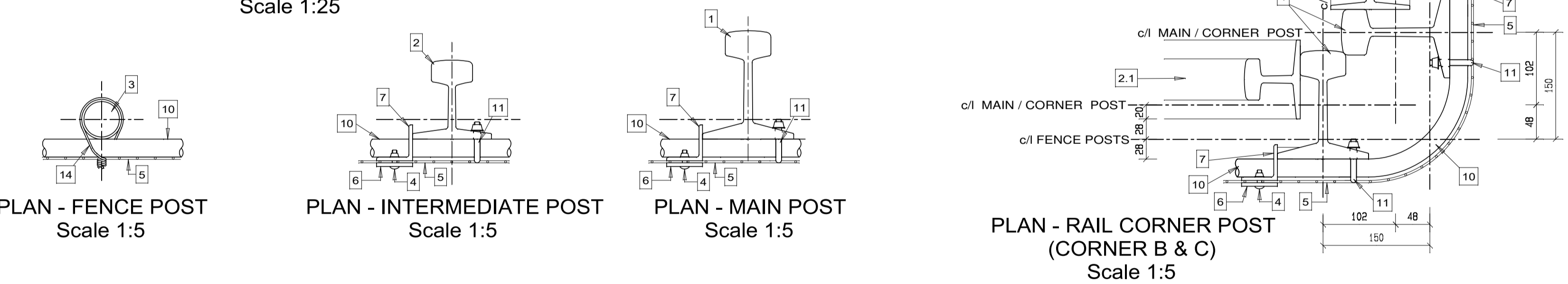
SECTION : INTERMEDIATE POST
Scale 1:25

SECTION : FENCE POST
Scale 1:25

3m HIGH DANGEROUS GAME FENCE:
ELEVATION FROM OUTSIDE SOLAR PANEL ARRAY SITE
Scale 1:25



3m HIGH DANGEROUS GAME FENCE:
PART PLAN & CORNER ASSEMBLY VIEW
Scale 1:25



PLAN - FENCE POST
Scale 1:5

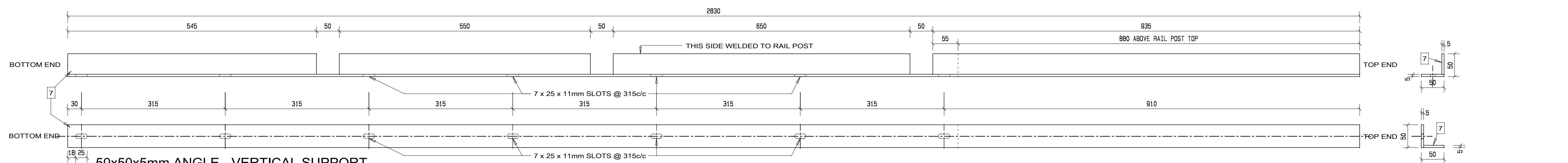
PLAN - INTERMEDIATE POST
Scale 1:5

PLAN - MAIN POST
Scale 1:5

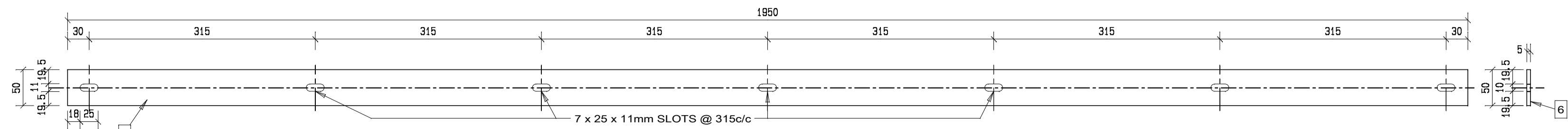
PLAN - RAIL CORNER POST
(CORNER B & C)
Scale 1:5

PLAN - RAIL CORNER POST
(CORNER A & D)
Scale 1:5

ANGLE SUPPORT ARM
Scale 1:10



50x50x5mm ANGLE - VERTICAL SUPPORT
Scale 1:5



COVER PLATE (50x5mm Flat Iron)
Scale 1:5

NOTE: All posts, rails, coverplates, brackets, supports, cable and mesh panels to be painted with an approved etch primer (similar to Dulux Trade A100) and painted two coats Bituminous Aluminium silver paint. (similar to Dulux Trade) after drilling and welding.

1	151mm x 127mm x 45kg/m RAIL PROFILE MAIN & CORNER POST.
2	109.5mm x 109.5mm x 30kg/m RAIL PROFILE INTERMEDIATE POST.
2.1	109.5mm x 109.5mm x 30kg/m RAIL PROFILE STRUT POST (45 deg) WELDED TO ITEM 1
3	51mm OD x 3.0mm GALV FENCE POST WITH DOMED POLE CAPPING
4	M6 GALV CUP SQ BOLTS & SHEAR NUTS @ 355c/c
5	MESH FENCE PANEL (25x25x3 - TO MATCH EXISTING)
6	50x5mm COVER PLATE
7	50x50x5mm ANGLE - VERTICAL SUPPORT WELDED TO RAIL PROFILED MAIN AND INTERMEDIATE RAIL PROFILE POSTS @200mm c/c max
7.1	50x50x5mm ANGLE - CORNER STRUT FOR VERTICAL SUPPORT
8	25x25x5mm ANGLE SUPPORT ARM ASSEMBLY
9	BTC - 900 FLAT WRAP
10	25mm DIA STEEL CABLE
11	M12 U-BOLT AND SHEAR NUTS
12	5mm OD WIRE STRAND
13	NAIL ON - HEAVY DUTY (BLACK) INSULATOR
14	3mm OD BIND WIRE

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