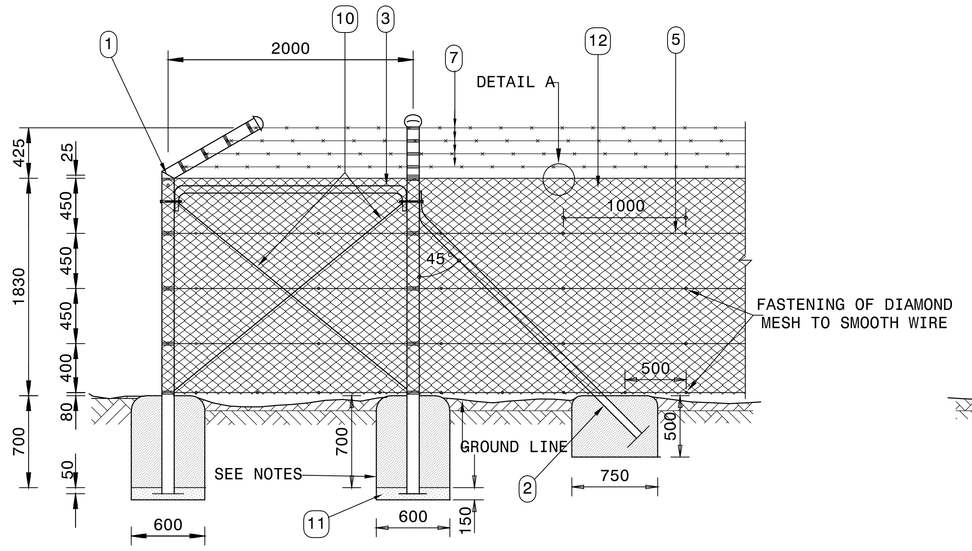
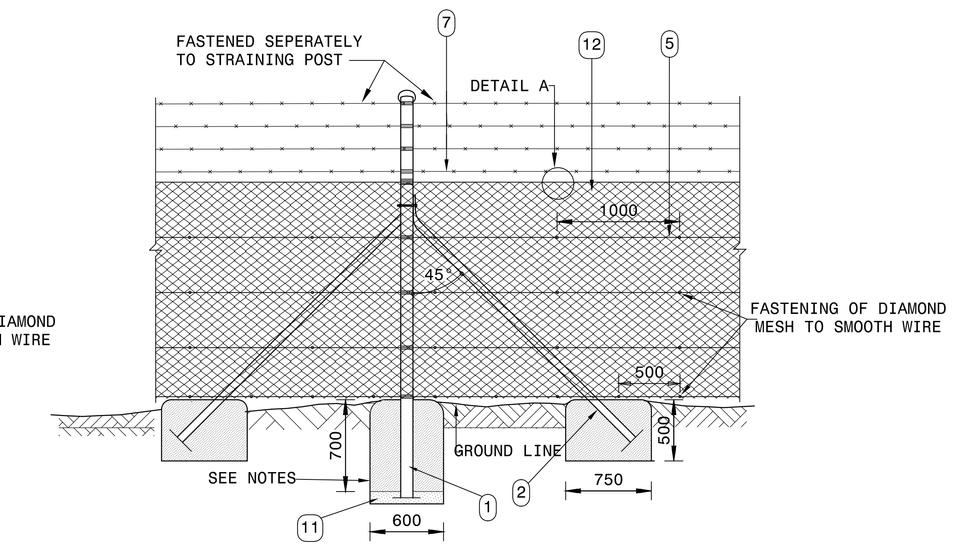
DETAIL OF SECURITY FENCE AT OFFICES AND LABORATORIES



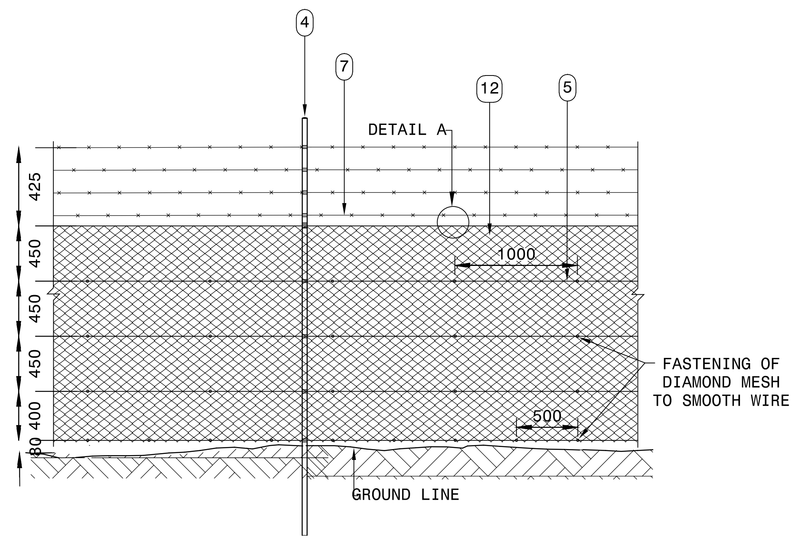
CORNER POST

SCALE 1:25



STRAINING POST

SCALE 1:25



STANDARD

SCALE 1:25

A. GENERAL NOTES:

1. ALL TUBULAR POSTS MUST BE FULLY GALVANIZED IN ACCORDANCE WITH SABS 763 FOR CLASS B1 ARTICLES.
2. ROLLED STEEL SECTIONS MUST BE PROTECTED WITH A LAYER OF TAR OR OTHER APPROVED MATERIAL.
3. MAXIMUM SPACING OF SUPPORTS IS AS FOLLOWS:-
   STRAINING POSTS = 35m c/c
   STANDARDS = 3,5m c/c
4. ALL VISIBLE CONCRETE EDGES MUST BE BEVELLED. THE CLASS OF CONCRETE SHALL BE 1:3:6/38
5. ALL TUBULAR POSTS ARE TO BE SEALED BY WELDING A PRESSED MUSHROOM CAP TO THE TOP OF THE POST.

B. DESCRIPTION OF MATERIALS USED:

(1) POSTS: 2,6m x 101,6mm Ø TUBULAR STEEL POST, WALL THICKNESS 2,95mm COMPLETE WITH PRESSED MUSHROOM TOP AND BASE PLATE.

(2) STAY: 2,7m x 60mm Ø WITH BASE PLATE.

(3) SUPPORT: 2,4m x 60mm Ø BENT AND FLATTENED AS SHOWN.

(4) STANDARD: 2,45m x 2,5kg/m "Y" SECTION.

(5) SMOOTH WIRE: 2,24 Ø HIGH TENSILE GRADE, FULLY GALVANIZED.

(6) GATE: GOVERNMENT PATTERN FARM GATE FULLY GALVANIZED AND MANUFACTURED FROM 48,24mm Ø x 2,95 STEEL TUBING INCLUDING HINGES, WASHERS BOLTS AND LOCKING CHAIN ATTACHED TO GATE.

(7) BARBED WIRE: HIGH TENSILE GRADE SINGLE STRAND 3,15mm x 2,50mm OVAL-SHAPED WIRE AND FULLY GALVANIZED.

(8) TYING WIRE: 2,5mm Ø MILD STEEL FOR FASTENING OF MESH TO POSTS AND STANDARDS.

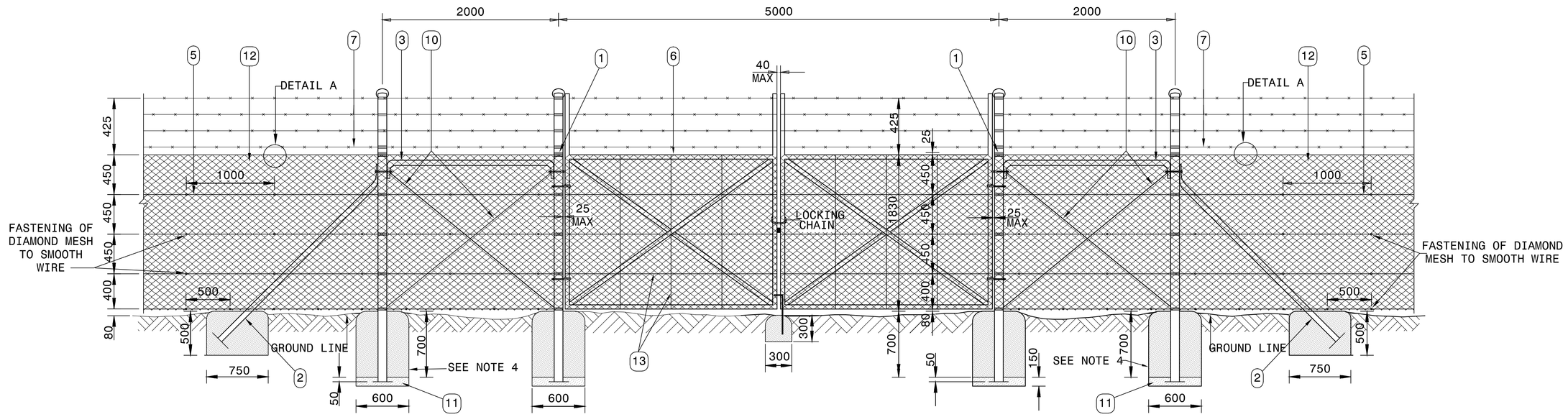
(9) BOLTS FOR STAYS: 12mm Ø (MIN.) FULLY GALVANIZED INCLUDING NUTS AND WASHERS.

(10) STRAINING WIRE: 4,0mm Ø AND FULLY GALVANIZED.

(11) SELECTED MATERIAL: 150mm THICK WELL COMPACTED NATURAL GRAVEL.

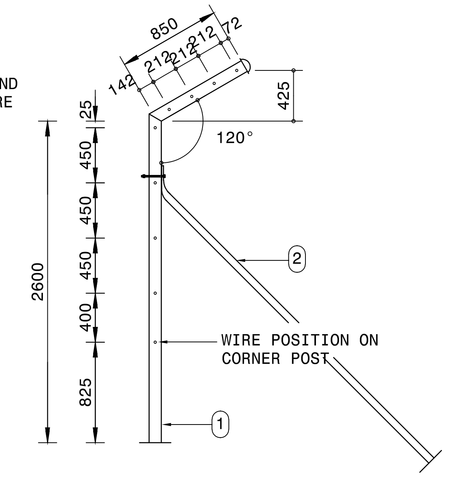
(12) DIAMOND MESH: 2,5mm Ø WITH 64mm x 64mm OPENINGS

(13) STRAINING WIRE: 4,0mm Ø AND FULLY GALVANIZED.

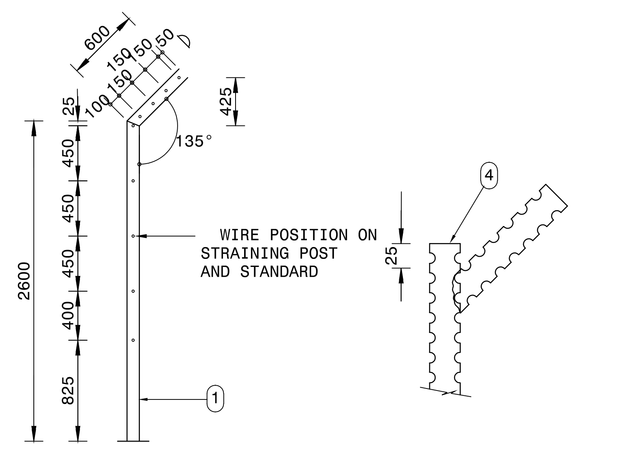


MOTOR GATE

SCALE 1:25

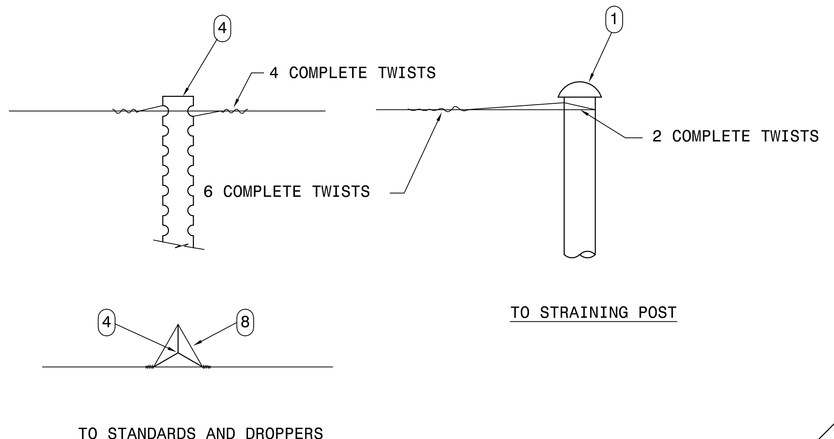


DETAIL OF CORNER POST



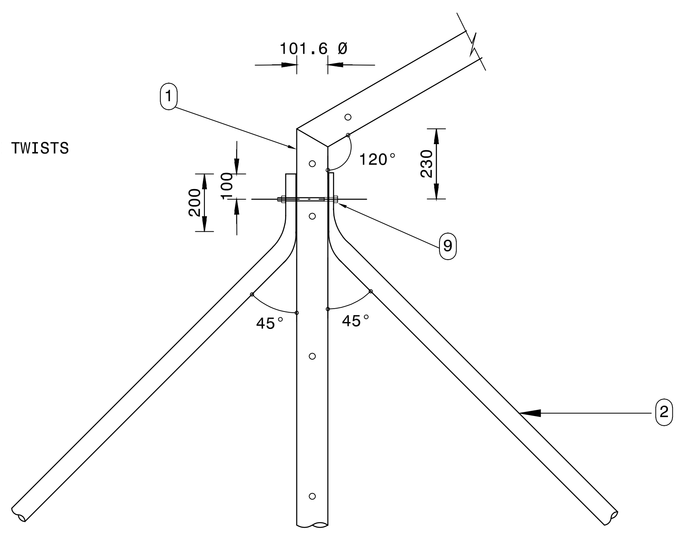
DETAIL OF STRAINING POST

DETAIL OF TOP OF STANDARD

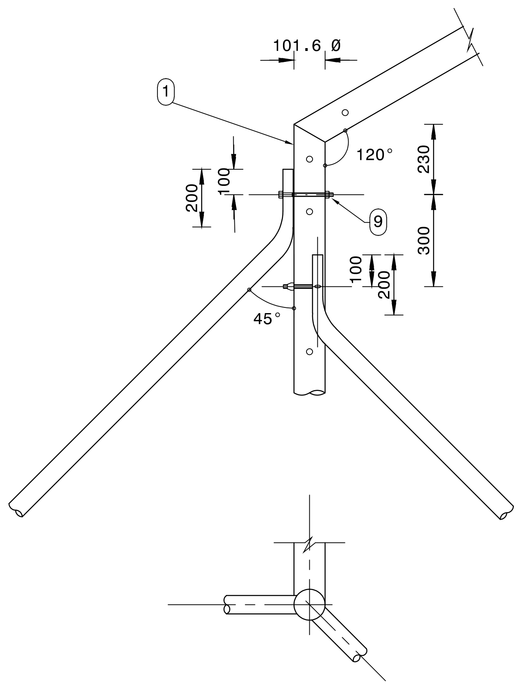


TO STRAINING POST

TO STANDARDS AND DROPPERS



ON STRAIGHTS



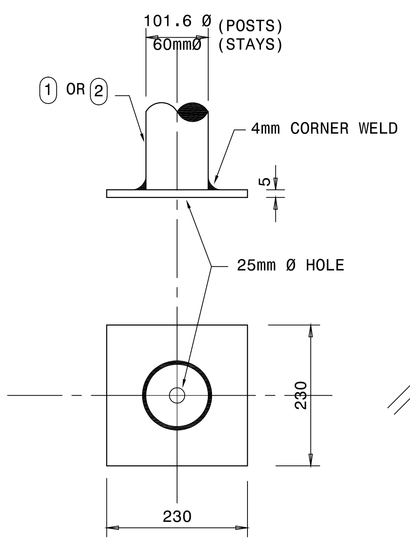
AT CHANGE OF ANGLE AND CORNER

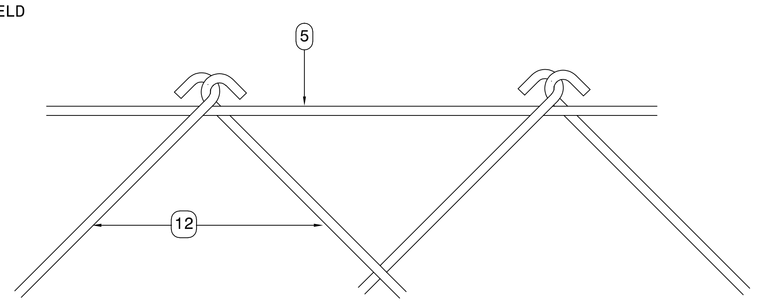
FASTENING OF BARBED- AND SMOOTH WIRE

SCALE 1:10

POSITION OF STAYS

SCALE 1:10





DETAIL A

N.T.S

No.	DATE	REVISION	CONSULT. ENG.
V1	21/06/2023	ORIGINAL VERSION	-

CONSTRUCTION RECORD (AS-BUILT)
WORKS CONTRACT ENGINEER
Name :
Prof, Reg, No. :
Date :
SANRAL PROJECT MANAGER
Name :
Date :

DESIGNED BY — NAME - — Prof, Reg, No. -
CHECKED BY — NAME - — Prof, Reg, No. -
DRAWN BY — NAME -

CONSULTANT APPROVAL
Name : -
Prof, Reg, No. : -
Date : -

HEAD OFFICE
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Pretoria
0184

PO Box 415
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South Africa

Tel: (012) 844 8000

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Reg No. 1998/009884/30
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

NORTHERN REGION
38 Ida Street
Menlo Park
Pretoria
0081

Private Bag X17
Lynnwood Ridge
0040

Tel: (012) 426 6200

ACCEPTANCE

THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING

for the SA NATIONAL ROADS AGENCY SOC LTD.
Date:

PROJECT DESCRIPTION

MSBBR : R531 SECTION 2 - EMERGENCY REPAIR OF DAMAGED STEEL RIBBED PIPE CULVERT AT km 6.9 AND SINKHOLE AT km 11.4

DRAWING DESCRIPTION

DETAIL OF SECURITY FENCE AT OFFICES AND LABORATORIES

SCALE : AS SHOWN (A0) — SHEET 1 OF 1

PROJECT NUMBER	R.531-020-2023/1	
DRAWING LOCATION DATA	START	END
ROUTE	R531	R531
SECTION	2	2
DRAWING km DISTANCE	km 6.90	km 11.40
DRAWING TYPE	ROADS - ANCILLARY	
BRIDGE/STRUCTURE No.	-	
CONSULTANT DRAWING No.	TP1916.32-G02	VER V1
SANRAL DOCUMENT #	-	

DRAWING TP1916.32-G02