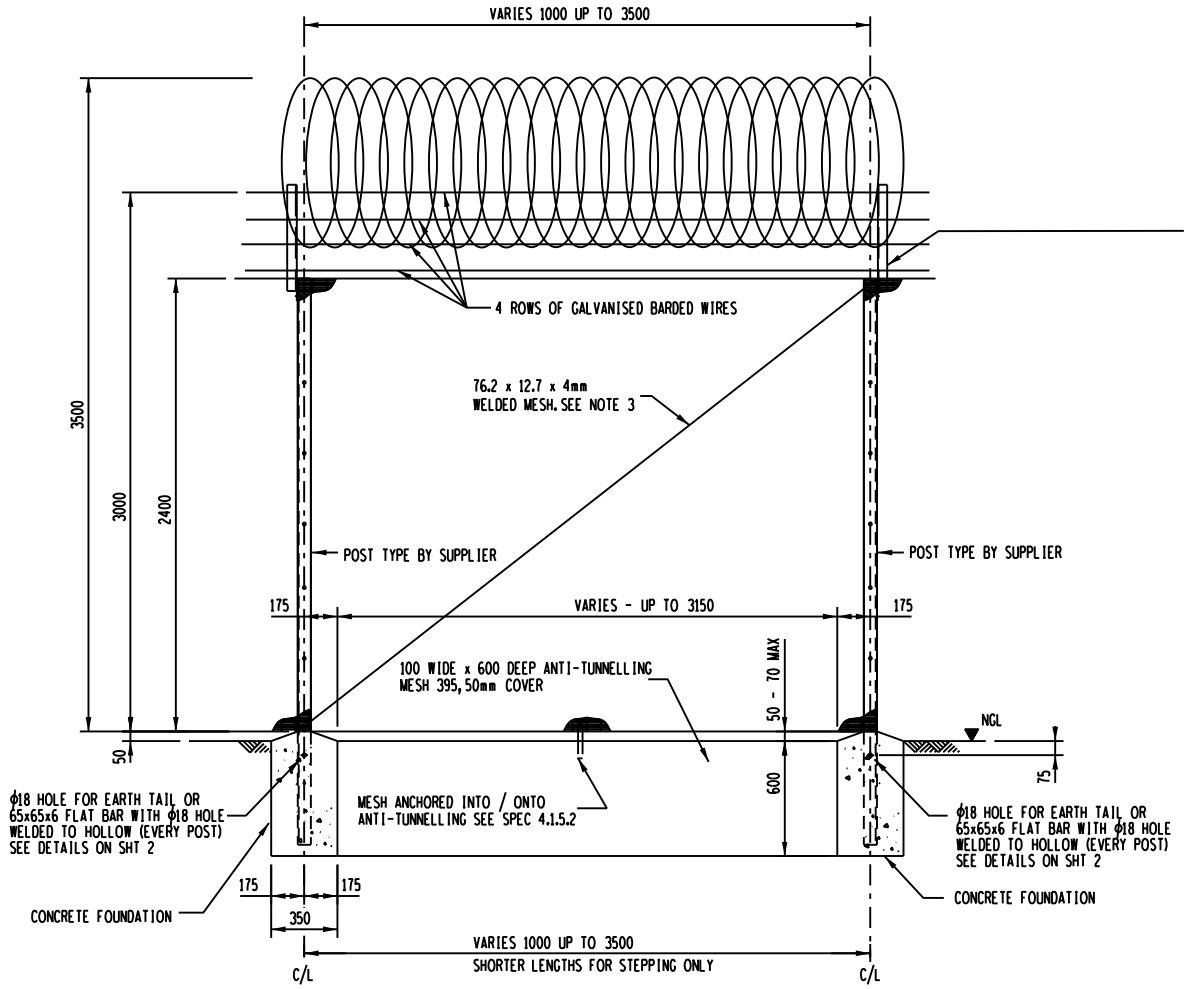
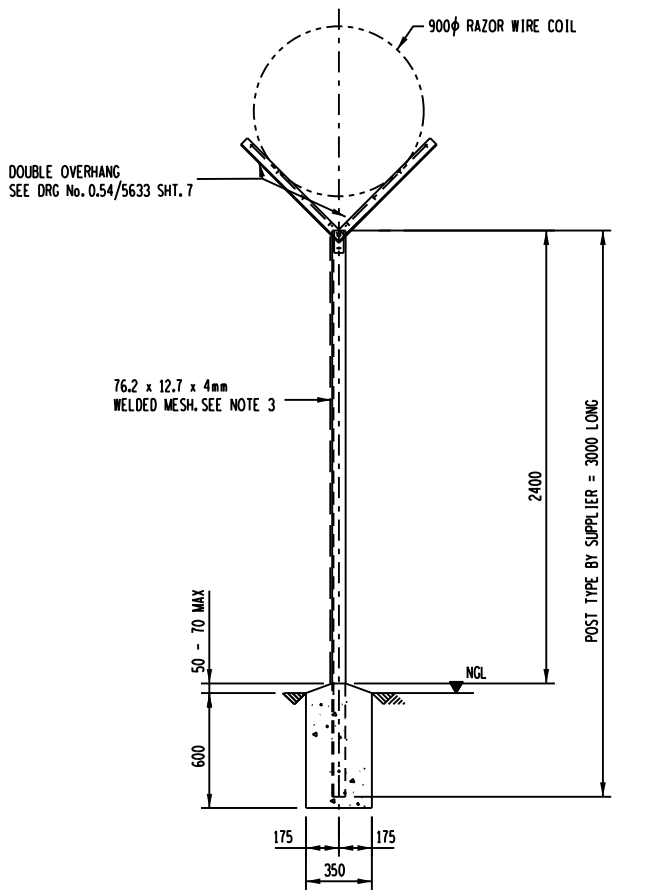


ELEVATION OF FENCE - OFF TERRACE

1:20

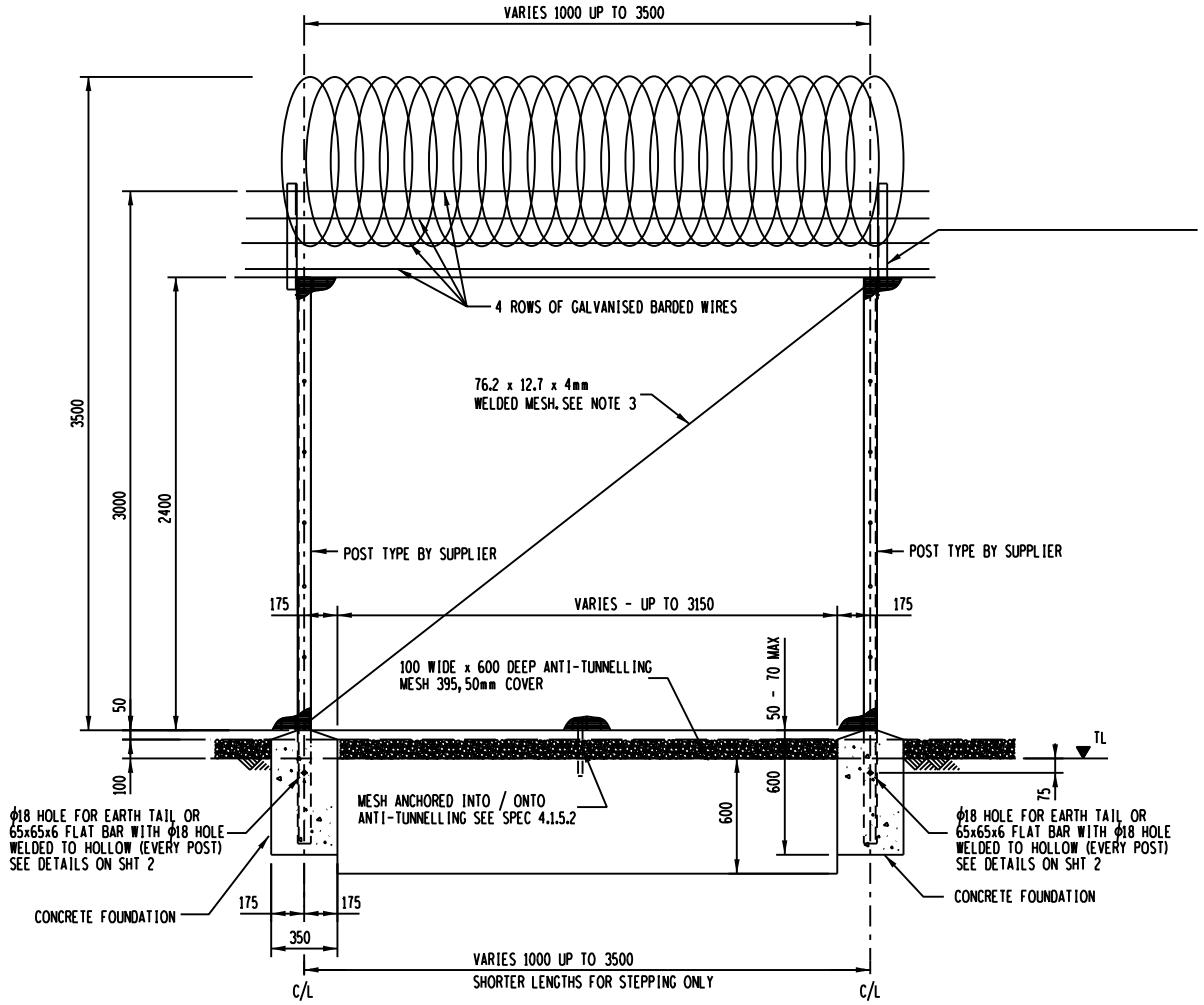


SECTION OF FENCE - OFF TERRACE

1:20

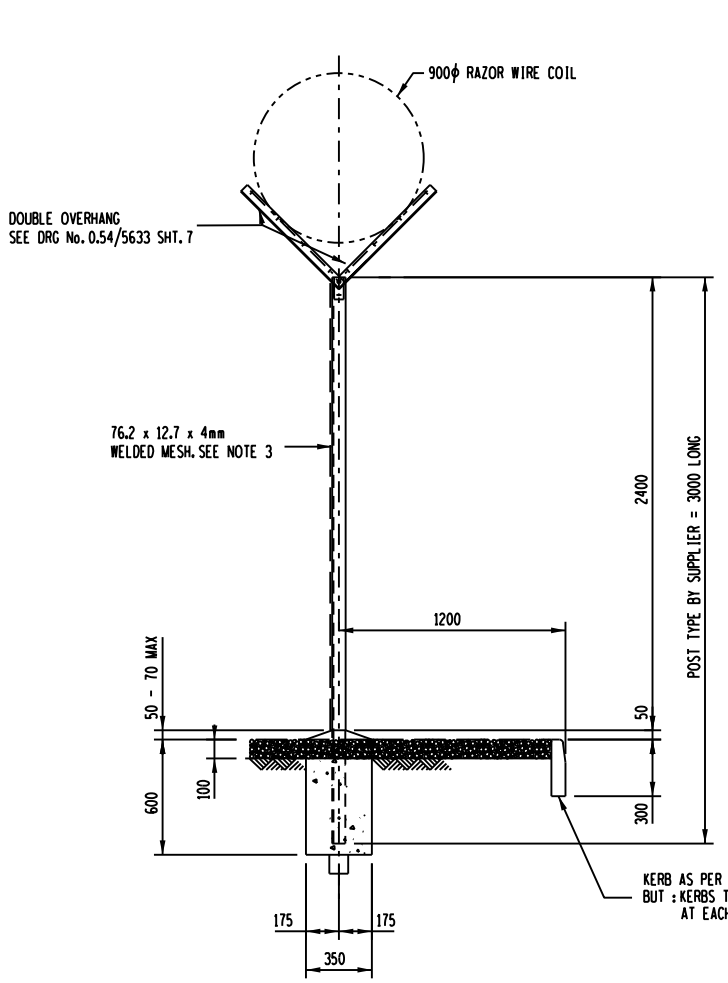
SPECIFICATIONS

1. POSTS :
   a. POST TO BE MANUFACTURED FROM EITHER S275JR OR S355JR GRADE STEEL ACCORDING TO BS EN 10025-2 DEPENDING ON THE DESIGN REQUIREMENTS. THE USE OF ALTERNATIVE STEEL GRADES MUST BE ACCEPTED BY ESKOM.
   b. ALL METAL PARTS TO BE HOT DIP GALVANISED IN ACCORDANCE WITH SANS 121. MINIMUM COATING THICKNESS REQUIRED 115µm FOR C4 TO C5 ENVIRONMENTS.
   c. 3,0m LONG GALVANISED POST. SET VERTICALLY INTO FOUNDATIONS AT REQUIRED CENTRES. POST TYPE ANGLE OR RECTANGULAR POSTS BY SUPPLIER.
   d. FOR EARTH CONNECTION TO POST SEE DETAIL IN SHEET 2.
2. FOUNDATIONS :
   650x350x350 (CONCRETE GRADE 25/19) AT EACH INTERMEDIATE POST.
   650x450x450 AT ALL CORNER POSTS AND 700x500x500 AT ALL GATE POSTS.
   ANTI-TUNNELLING TO BE 15MPa.
3. MESH PANELS :
   CONSTRUCTED FROM HIGH TENSILE STEEL A WELD STRENGTH OF 80%. PANELS ARE 2400 HIGH.
   500MPa ULTIMATE TENSILE STRENGTH PRIOR TO WELDING. WELDING TO BE TESTED ACCORDING TO SANS 23-4.
4. ZN COATING DEPENDS ENVIRONMENTAL CLASS : ALL ESKOM INSTALLATIONS POLLUTION LEVEL CLASSFIED AS HIGH. NO ORGANIC MOISTURE INGRESS INHIBITOR COATING TO BE APPLIED, SEE NOTE 1b.
5. BIND WIRE :
   2mm CLASS 'A' HEAVY GALVANISED WIRE OR HOGG RINGS.
   STRAIN WIRE :
   4mm CLASS 'A' HEAVY GALVANISED
   EYE BOLT TO BE STAINLESS STEEL OR GALVANISED ACCORDING TO SANS 121.
   RAZOR COIL AS STANDARD.
   FENCING WIRE TO CONFORM WITH SANS 675
6. COVER PLATES TO POSTS :
   COUNTERSUNK STAINLESS STEEL ϕ8mm x 40mm BUTTON HEAD SECURITY SCREWS WITH ANTI-VANDAL SHEAR OFF NUTS. ALL WASHERS TO BE STAINLESS STEEL.
7. GATE DETAILS : MAIN ACCESS GATE ONLY OPTION 3
   SEE DRG 0.54/7470 SHT 1 TO 11 FOR SLIDING GATE



ELEVATION OF FENCE - ON TERRACE

1:20



SECTION OF FENCE - ON TERRACE

1:20

NOTE :

THE ABOVE SPECIFICATION IS JUST AN INDICATION OF THE FENCE AND ERECTION THERE OF, FOR TENDER PURPOSE. FENCE TO BE MANUFACTURED AND ERECTED STRICTLY ACCORDING TO THE SPECIFICATION AND ABOVE NOTES THAT REVISED THE SPECIFICATION.
SEE ESKOM DOCUMENT No. 240-76368574

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REFERENCE DRAWINGS
2	FENCE ON TERR. ADD/FENCE AND NOTES REV.	PHD	DBN	DJC.S	28/6/16	
1	NOTE 7 REVISED	PHD	DBN	DJC.S	22/4/15	SHT 2 STL POSTS ELEV

APPROVED BY DJC. SENEKAL	ESKOM HOLDINGS LIMITED REG NO. 2002/015527/30
DATE 29/10/2014	Eskom Transmission
CHECKED BY DBN	HIGH SECURITY MESH FENCING
DATE 29/10/2014	2400 HIGH - OUTER FENCE
DRAWN BY PAUL DOYLE	WITH STEEL POSTS DETAILS
DATE 29/10/2014	©
SCALE AS SHOWN	0.54/8725

SHEET NUMBER	REVISION
1	2

SIZE GROOTTE A1L