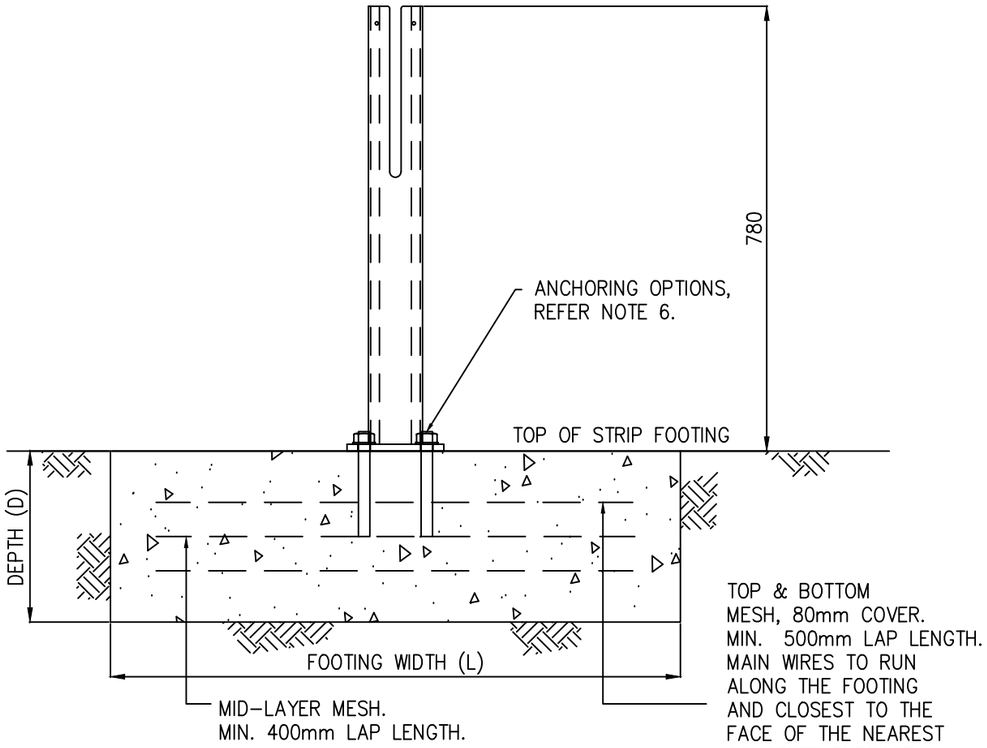
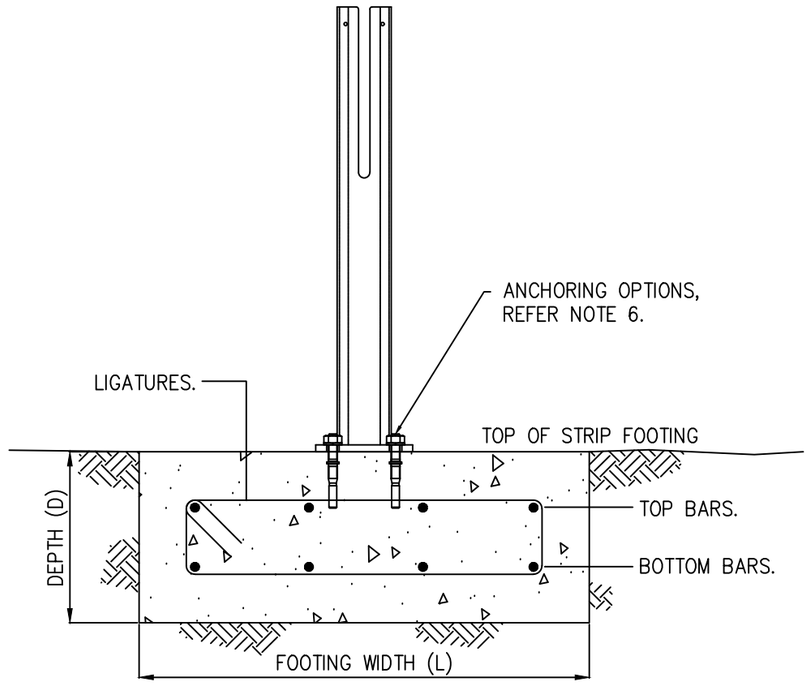
OPTION 1



OPTION 2



DESIGN PARAMETERS/ASSUMPTIONS

FOUNDATION SOIL
FRICTION ANGLE = 30°.
SOIL DENSITY = 19kN/m ^{3} .
ALLOWABLE SOIL BEARING CAPACITY = 50kPa.
MINIMUM CBR VALUE = 8.

THE ABOVE DESIGN PARAMETERS SHALL BE CONFIRMED BY A GEOTECHNICAL ENGINEER OR BUILDER ON SITE.

OPTION 2-STRIP FOOTING SPECIFICATIONS (REINFORCING BAR)
(MINIMUM LENGTH OF FOOTING = 11M)

D MIN. DEPTH (mm)	L MIN. WIDTH (mm)	REINFORCEMENT (TOP BARS)	REINFORCEMENT (BOTTOM BARS)	REINFORCEMENT LIGATURES, 80 COVER
250	850	5-N16	5-N16	R10-300 CTS.
300	790	4-N16	4-N16	R10-300 CTS.
350	740	4-N16	4-N16	R10-300 CTS.
400	700	4-N16	4-N16	R10-300 CTS.

OPTION 1 - STRIP FOOTING SPECIFICATIONS
(MINIMUM LENGTH OF FOOTING = 19M)

D MIN. DEPTH (mm)	L MIN. WIDTH (mm)	REINFORCEMENT (TOP & BOTTOM)	REINFORCEMENT (MID-LAYER)
250	640	RL918 MESH (MIN. (5) LONGITUDINAL WIRES PER LAYER)	-
300	590	RL918 MESH (MIN. (5) LONGITUDINAL WIRES PER LAYER)	SL82 MESH (MIN. (3) LONGITUDINAL WIRES)
350	550	RL1118 MESH (MIN. (4) LONGITUDINAL WIRES PER LAYER)	SL82 MESH (MIN. (2) LONGITUDINAL WIRES)
400	510	RL1118 MESH (MIN. (4) LONGITUDINAL WIRES PER LAYER)	SL92 MESH (MIN. (2) LONGITUDINAL WIRES)

OPTION 1 - STRIP FOOTING SPECIFICATIONS
(MINIMUM LENGTH OF FOOTING = 11M)

D MIN. DEPTH (mm)	L MIN. WIDTH (mm)	REINFORCEMENT (TOP & BOTTOM)	REINFORCEMENT (MID-LAYER)
250	850	RL918 MESH (MIN. (7) LONGITUDINAL WIRES PER LAYER)	-
300	790	RL918 MESH (MIN. (7) LONGITUDINAL WIRES PER LAYER)	SL82 MESH (MIN. (4) LONGITUDINAL WIRES)
350	740	RL1118 MESH (MIN. (6) LONGITUDINAL WIRES PER LAYER)	SL82 MESH (MIN. (3) LONGITUDINAL WIRES)
400	700	RL1118 MESH (MIN. (6) LONGITUDINAL WIRES PER LAYER)	SL92 MESH (MIN. (3) LONGITUDINAL WIRES)

OPTION 2-STRIP FOOTING SPECIFICATIONS (REINFORCING BAR)
(MINIMUM LENGTH OF FOOTING = 19M)

D MIN. DEPTH (mm)	L MIN. WIDTH (mm)	REINFORCEMENT (TOP BARS)	REINFORCEMENT (BOTTOM BARS)	REINFORCEMENT LIGATURES, 80 COVER
250	640	4-N16	4-N16	R10-300 CTS.
300	590	3-N16	3-N16	R10-300 CTS.
350	550	3-N16	3-N16	R10-300 CTS.
400	510	3-N16	3-N16	R10-300 CTS.

NOTES:
1. ALL DIMENSIONS IN MILLIMETRES.
2. MINIMUM STRENGTH OF CONCRETE FOOTING – 32MPa.
3. MINIMUM CLEAR COVER TO BE 80mm
4. FOR SITES WITH UNCONVENTIONAL GEOMETRIES, HIGH WATER TABLES, ALTERNATIVE SOIL TYPES OR UNUSUAL SITE SPECIFIC VARIABLE, ALTERNATIVE FOOTING DESIGNS WILL BE REQUIRED. PLEASE SEEK ADVICE FROM A QUALIFIED GEOTECHNICAL ENGINEER OR YOUR LOCAL INGAL SALES REPRESENTATIVE.
5. FOR MIXED SOIL TYPES, A CONSERVATIVE APPROACH OF ASSUMING THE WEAKER SOIL PROPERTIES FOR THE FULL DEPTH IS RECOMMENDED.

NOTES CONTINUED:
6. ANCHORING OPTIONS:
   OPTION 1: REID ELEPHANT FOOT FERRULES M20 x 95 (FE20095GH), WITH M20 x 40 G8.8 SET SCREW AND WASHER. WHERE POSSIBLE, REO CROSSBAR SHOULD BE THREADED THROUGH CROSS HOLE IN FERRULE TO IMPROVE ANCHOR ALIGNMENT. REID THREADED INSERT M20 x 120 (TIM20X120) ALSO SUITABLE.
   OPTION 2: RAMSET CHEMSET ANCHOR STUDS WITH EPCON C8 CHEMICAL ANCHOR EPOXY. M20 x 215 m Grade 8.8 WITH MIN EMBEDMENT 150mm. IF USED IN RETROFIT LOCATIONS, THE DESIGNER SHALL CONFIRM SUITABILITY OF FOUNDATION BEFORE INSTALLATION.
7. THE GROUND BEAM OPTIONS SPECIFIED ON THIS DRAWING ARE ONLY SUITABLE FOR THE FLEXFENCE SYSTEM.

REVISIONS

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
5	24-10-19	NOTE 7 ADDED	VB	LG	LG
4	16-11-18	STRIP FOOTING OPTION 2 ADDED (REINFORCING BAR)	VB	LG	LG
3	11-04-18	NOTE 6 ADDED	WD	LG	LG
2	20-10-17	REO DETAIL UPDATED	GHC	LG	LG
1	14-11-16	FOOTING DIMS, BASEPLATE & NOTES UPDATED	MC	LG	MC

REFERENCES

DRAWING NUMBER	REFERENCE DRAWINGS

	NAME	DATE
DRAWN	AUSTEC	20/06/2011
CHECKED	TC	20/06/2011
APPROVED	TC	20/06/2011
SCALE	NTS	
SIZE	A1	

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PROJECT
FLEXFENCE
WIRE ROPE SAFETY BARRIER

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TITLE
POST ON BASE PLATE

DRAWING No.
WR–STD–83

REV. 5