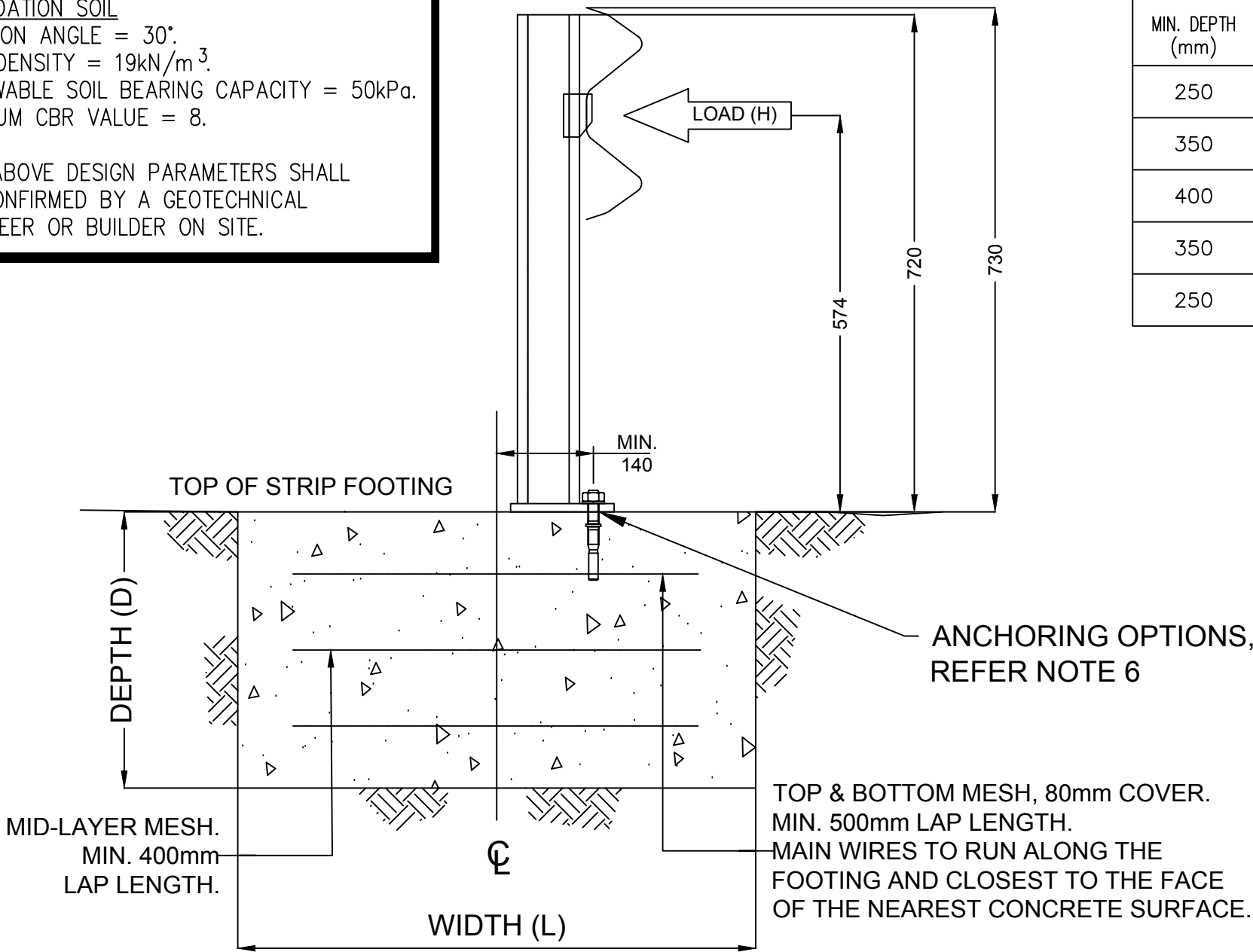


DESIGN PARAMETERS/ASSUMPTIONS

FOUNDATION SOIL
 FRICTION ANGLE = 30°.
 SOIL DENSITY = 19kN/m³.
 ALLOWABLE SOIL BEARING CAPACITY = 50kPa.
 MINIMUM CBR VALUE = 8.

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



NOTES:

- ALL DIMENSIONS IN MILLIMETRES.
- MINIMUM STRENGTH OF CONCRETE FOOTING - 32MPa.
- MINIMUM CLEAR COVER TO BE 80mm
- 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.
- FOR MIXED SOIL TYPES, A CONSERVATIVE APPROACH OF ASSUMING THE WEAKER SOIL PROPERTIES FOR THE FULL DEPTH IS RECOMMENDED.

NOTES CONTINUED:

- 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.
 OPTION 3: NZTA CAST IN BRACKET, REFER DRAWING EZY-SM-125.

STRIP FOOTING SPECIFICATIONS

D MIN. DEPTH (mm)	L MIN. WIDTH (mm)	B MIN. LENGTH OF FOOTING (mm)	REINFORCEMENT	
			(TOP & BOTTOM)	(MID-LAYER)
250	950	19000	RL918 MESH [MIN. (8) LONGITUDINAL WIRES PER LAYER]	-
350	800	19000	RL1118 MESH [MIN. (7) LONGITUDINAL WIRES PER LAYER]	SL82 MESH [MIN. (4) LONGITUDINAL WIRES]
400	750	19000	RL1118 MESH [MIN. (6) LONGITUDINAL WIRES PER LAYER]	SL92 MESH [MIN. (3) LONGITUDINAL WIRES]
350	1100	11000	RL1118 MESH [MIN. (10) LONGITUDINAL WIRES PER LAYER]	SL82 MESH [MIN. (5) LONGITUDINAL WIRES]
250	1250	11000	RL918 MESH [MIN. (11) LONGITUDINAL WIRES PER LAYER]	-

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
7	08-08-2018	STRIP FOOTING SPECIFICATIONS UPDATED	VB	LG	LG
6	04-04-2018	NOTE UPDATED RE NZ ANCHORING OPTIONS	WD	LG	LG
5	05-03-2018	NOTE UPDATE RE CROSSBAR	LG	SE	LG
4	02-03-2018	OPTION 1 UPDATED WITH TWO FERRULES	LG	SE	LG
3	26-02-2018	NOTES UPDATED RE NZ ANCHORING OPTIONS	LG	SE	LG
2	21-02-2018	NOTES UPDATED RE ANCHORING OPTIONS	LG	SE	LG
1	19-05-2017	NOTES UPDATED	LG	SE	LG

DRAWING NUMBER	REFERENCE DRAWINGS

	NAME	DATE
DRAWN	DK	06-11-2014
CHECKED	LG	07-11-2014
APPROVED	LG	07-11-2014
SCALE	N.T.S. @	A3
ISSUE FOR	INFORMATION ONLY	

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PROJECT	TITLE
	EZY-GUARD 4 SURFACE MOUNT CAST IN ASSY NZTA SPEC GROUND BEAM DETAIL

INGAL CIVIL PRODUCTS PART No.	DRAWING No.
	EZY-SM-136