

**SOIL REINFORCEMENT**

**CUSTOMER INFORMATION**

Company:			
Requested by:			
Tel.:	Fax:	E-mail:	
Project name:			Project N°:
Location:		City / State / Country:	

**(\*) MACCAFERRI INFORMATION**

Company or distributor:	
Requested by:	Project N°:

**(\*) DESIGN LEVEL**

**STANDARD REQUIRED**

Level 1 (Conceptual Proposal)	Level 2 (Preliminary Suggestion)	Level 3 (Final Design)	
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**REINFORCEMENT TYPE**

<input type="checkbox"/> Terramesh™ System
<input type="checkbox"/> Green Terramesh™
<input type="checkbox"/> Geogrid

(Please tick "✓" the appropriate box)

**STRUCTURE DESIGN LIFE**

(Refer to BS 8006:1995)

<input type="checkbox"/> Temporary works	5 - 10 yrs.
<input type="checkbox"/> Slope (< 70°)	60 yrs.
<input type="checkbox"/> Wall (> 70°)	120 yrs.

**STRUCTURE CLASSIFICATION**

(Refer to BS 8006:1995)

<input type="checkbox"/> 1	Failure would result in minimal damage and loss of access
<input type="checkbox"/> 2	Failure would result in moderate damage and loss of service
<input type="checkbox"/> 3	Failure would result in significant damage or risk to life

**REINFORCED BLOCK GEOMETRY**

Wall/Slope height above GL	(H)		m
Wall/Slope batter angle	(α)		°
Foundation depth	(Hf)		m
Rockfill unit weight**	(γ <sub>R</sub> )		kN/m <sup>3</sup>
Gabion porosity**			%

**WATER LEVEL**

Is there a phreatic profile?		Y/N
Maximum height	(H <sub>wmax</sub> )	m
Minimum height	(H <sub>wmin</sub> )	m

**SEISMIC LOAD CONDITION**

Horizontal acceleration coefficient	
Vertical acceleration coefficient	

**SOIL PROPERTIES**

SOIL PROPERTIES	STRUCTURAL	BACKFILL	FOUNDATION SOIL			IN-SITU SOIL			
	S <sub>s</sub>	S <sub>b</sub>	f1	f2	f3	S1	S2	S3	
Layer									
Soil description									
Soil unit weight (γ)									kN/m <sup>3</sup>
Internal friction angle (φ)									°
Cohesion (c)									kN/m <sup>2</sup>
Pore water pressure (Ru)									
Layer thickness (h)	N/A	N/A							m
Allowable bearing capacity	N/A	N/A				N/A	N/A	N/A	kN/m <sup>2</sup>
Slope angle stretch 1 (α <sub>1</sub> )		°							
Horizontal length stretch 1 (L <sub>1</sub> )		m							
Slope angle stretch 2 (α <sub>2</sub> )		°							
Horizontal length stretch 2 (L <sub>2</sub> )		m							

**UNIFORM LOADS**

	1	2	
Distributed load (q)			kN/m <sup>2</sup>
Inclination			°
Initial offset (Oi)			m
Final offset (Of)			m

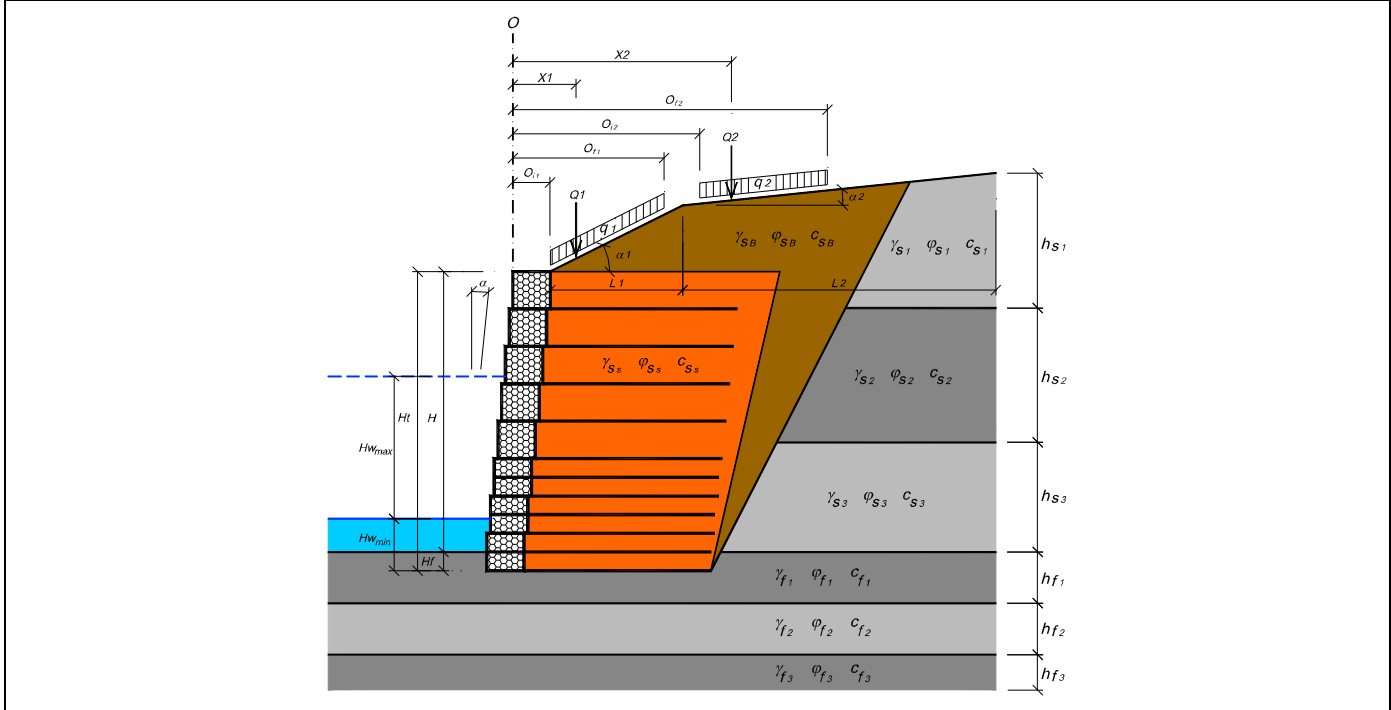
**CONCENTRATED LOADS**

		1	2	
Line load	(Q)			kN/m
Offset line load	(X)			m
Point load	(Q)			kN
Offset point load	(X)			m
Repeated point load	(Q)			kN
Offset repeated point load	(X)			m
Repeated point load long spacing				m

**SAFETY FACTORS**

Global Stability		Sliding		Overturning		Bearing Capacity	
Seismic	No seismic	Seismic	No seismic	Seismic	No seismic	Seismic	No seismic

**TYPICAL SECTION**



**PROJECT DESCRIPTION**

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**(\*) MACCAFERRI SUGGESTIONS (AREA MANAGER)**

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**(\*) ADDITIONAL INFORMATION**

Section to be calculated	Section to be drawn	Only drawing without calculation	Maccaferri specs for drawings	Drawing template	Plan	Elevation	Bill of quantities
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Attachments:	File name:
Photos	
Site Investigations	
Drawings	

(\*) For Maccaferri use only.

**Maccaferri SA (Pty) Ltd**

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