

## GABION WALL

### 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

Level 1 (Conceptual Proposal)	Level 2 (Preliminary Suggestion)	Level 3 (Final Design)
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### STANDARD REQUIRED

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### WALL PARAMETERS

Wall height above GL (H)		m
External steps?		Y/N
Wall batter angle ( $\alpha$ )		°
Rockfill unit weight ( $\gamma_r$ )		kN/m <sup>3</sup>
Gabion porosity		%
Filter cloth behind wall?		Y/N
Filter cloth under wall?		Y/N

### LOADS ON WALL

Uniform load ( $q_0$ )		kN/m <sup>2</sup>
Line load ( $Q_0$ )		kN/m
Line load offset ( $X_g$ )		m

### BRIDGE LOADING

Vertical uniform load underneath bankseat		kN/m <sup>2</sup>
Horizontal uniform load underneath bankseat		kN/m <sup>2</sup>
Bankseat width		kN

(Please note that the above is for Gabion bridge abutment only)

### SEISMIC LOAD CONDITION

Horizontal acceleration coefficient	
Vertical acceleration coefficient	

### LOADS ON BACKFILL

STRETCH	1	2	
Uniform load on stretch ( $q$ )			kN/m <sup>2</sup>
Line loads ( $Q$ )			kN/m
Line loads offset ( $X$ )			m

### FOUNDATION SOIL

Soil description			
Soil unit weight ( $\gamma$ )			kN/m <sup>3</sup>
Internal friction angle ( $\phi_i$ )			°
Cohesion ( $c_i$ )			kN/m <sup>2</sup>
Allowable bearing capacity			kN/m <sup>2</sup>
Foundation depth ( $H_f$ )			m
Berm width ( $L_i$ )			m
Toe slope angle ( $\alpha_i$ )			°

### FOUNDATION ADITIONAL LAYERS

Layer	f1	f2	
Soil description			
Soil unit weight ( $\gamma$ )			kN/m <sup>3</sup>
Internal friction angle ( $\phi$ )			°
Cohesion ( $c$ )			kPa
Thickness ( $h$ )			m
Free water surface max height ( $H_{wmax}$ )			m
Free water surface min height ( $H_{wmin}$ )			m

### PHREATIC SURFACE

Initial height ( $W_v$ )		m
Slope angle stretch 1 ( $\alpha_{w1}$ )		m
Stretch 1 lenght ( $W_{h1}$ )		m
Slope angle stretch 2 ( $\alpha_{w2}$ )		m
Stretch 2 lenght ( $W_{h2}$ )		m

### BACKFILL SOIL PROPERTIES

Soil description			
Soil unit weight ( $\gamma_s$ )			kN/m <sup>3</sup>
Internal friction angle ( $\phi_s$ )			°
Cohesion ( $c_s$ )			kN/m <sup>2</sup>
Slope profile stretch 1 ( $\alpha_{s1}$ )			°
Horizontal distance stretch 1 ( $L_s$ )			m
Slope angle stretch 2 ( $\alpha_{s2}$ )			°

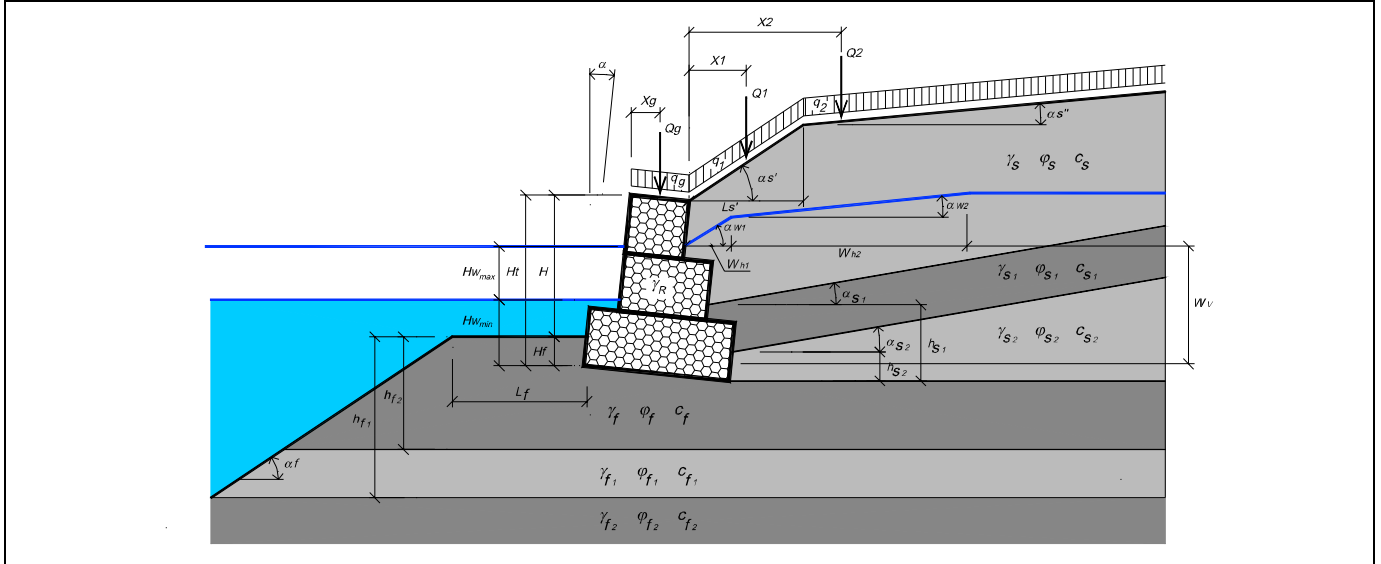
### BACKFILL ADITIONAL LAYERS

Layers	s1	s2	
Soil description			
Soil unit weight ( $\gamma$ )			kN/m <sup>3</sup>
Internal friction angle ( $\phi$ )			°
Cohesion ( $c$ )			kPa
Layer inclination ( $\alpha$ )			°
Initial height ( $h$ )			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

### RIVER BED PROFILE

<input type="checkbox"/>	Lined section
<input type="checkbox"/>	Reno mattress apron
<input type="checkbox"/>	Sack gabions foundation

(Please tick "✓" the appropriate box)

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

### (\*) 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"/> 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

This Design Info Sheet is for static analyses only.  
Should hydraulic analyses be required please use the channel protection Design Info Sheet.

Attachments:	File name:
Photos	_____
Site Investigations	_____
Drawings	_____

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**NOTES:** (\*) For Maccaferri use only.

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