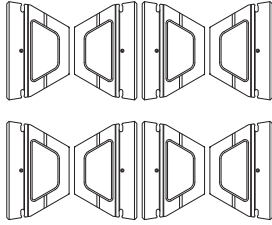




G-FORCE

DESCRIPTION: Wall TEXTURE: Smooth

Pallet Overview



Smooth
Chestnut Brown

Smooth
Champlain Grey

Smooth
Shale Grey

Specifications per pallet



32 units / pallet

	Imperial	Metric
Dimension Front (L x D x H)	18 x 11 7/16 x 8	457 x 290 x 203
Dimension Back (L x D x H)	8 5/8 x 11 7/16 x 8	219 x 290 x 203
Cubing	32.00 ft ²	2.97 m ²
	48 lin. ft	14.63 lin. m
Approx. Weight	2 477 lbs	1 124 kg
Number of rows	4	
Coverage per row	8.00 ft ²	0.74 m ²
Linear coverage per row	12.00 lin. ft	3.66 lin. m

NOTES

See page 6 for icons description.

COMPATIBLE CAPS

See page 137 for product compatibility.

G-Force block can be installed in a setback position only (inclined wall). The positioning of the HDPE key does not allow for a vertical installation.


Geogrid positioning: visit our website for geogrid design charts

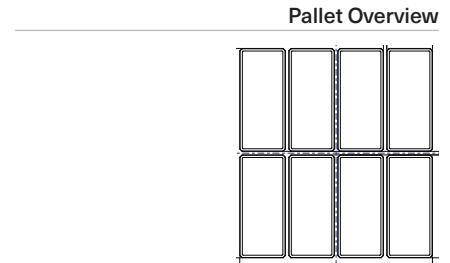
See page 138 to 153 for more technical information.



G-FORCE Corner unit

DESCRIPTION: Wall TEXTURE: Smooth

Specifications per pallet	Imperial	Metric
 16 units / pallet	Product dimension (L×D×H)	18 × 9 × 8
	Cubing	16 units
	Approx. Weight	1 654 lbs
Number of rows	2	750 kg



NOTES

See page 6 for icons description.

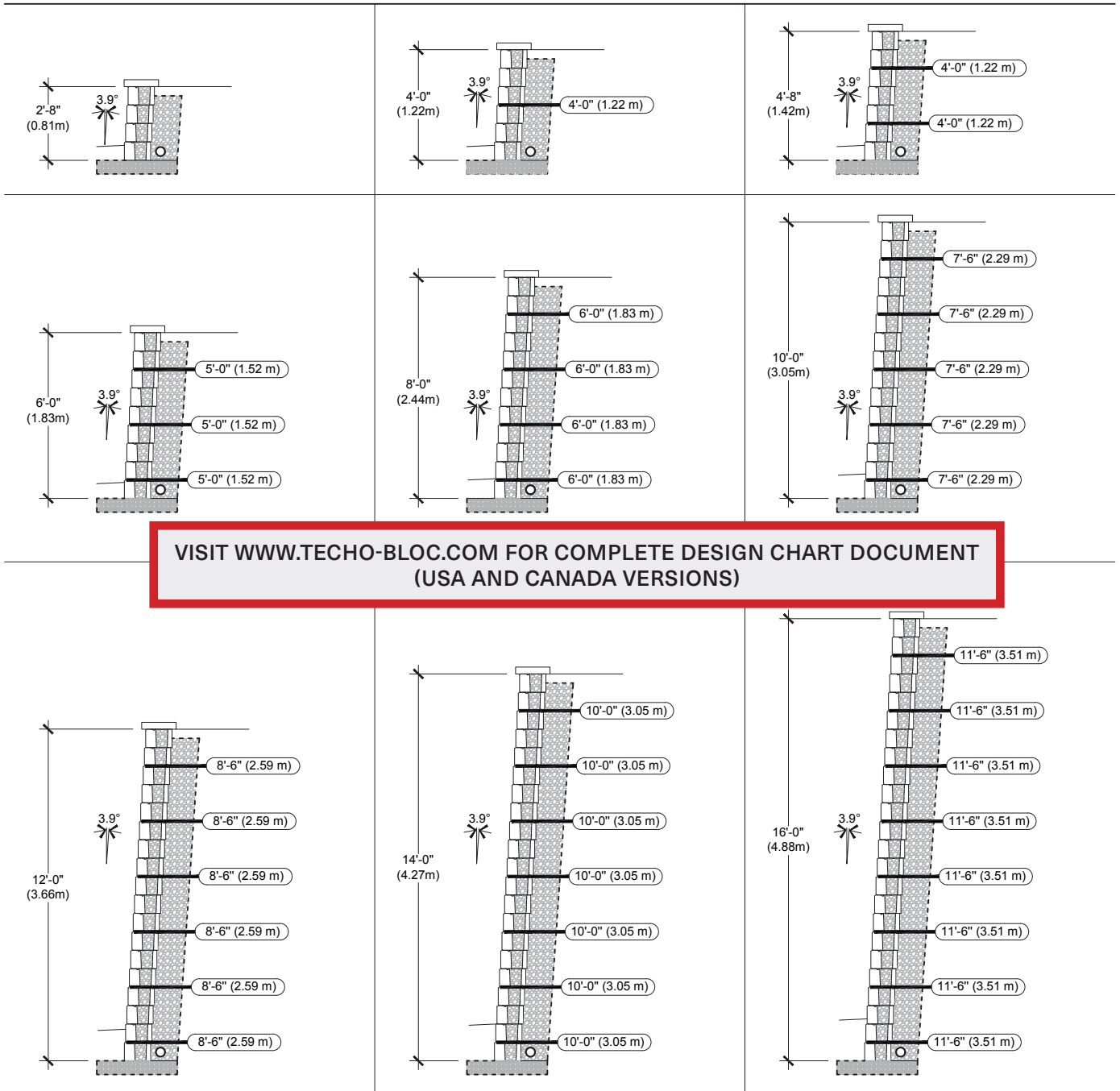
COMPATIBLE CAPS

See page 137 for product compatibility.

See page 138 to 153 for more technical information.

CLEAN SAND/GRAVEL/ SAND AND GRAVEL MIXES ($\phi=34^\circ$, $\gamma = 120$ pcf)
 GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

CASE N° 1 :
 No Surcharge
 No Backslope
 No Toe Slope

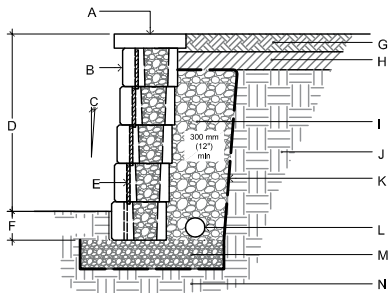


**VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT
(USA AND CANADA VERSIONS)**

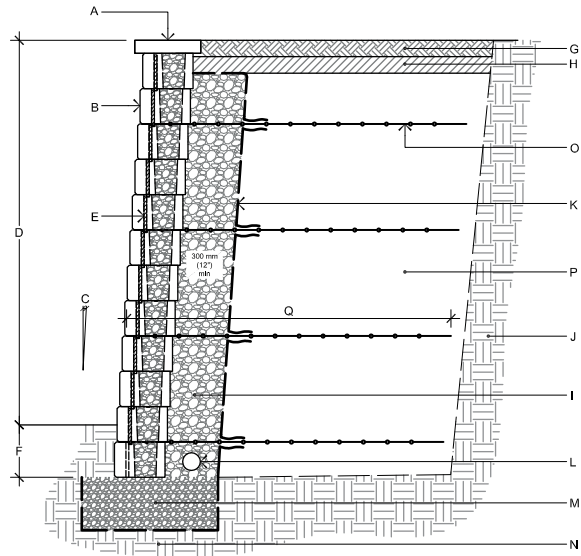
1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil ($\phi = 34^\circ$, $\gamma = 120$ pcf); retained soil ($\phi = 34^\circ$, $\gamma = 120$ pcf); foundation soil ($\phi = 34^\circ$, $\gamma = 120$ pcf)
4. A qualified engineer should be consulted for the final design to be used for construction.
5. The foundation soil must be able to support the wall system. The bearing capacity of the foundation soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
6. The seismic analysis is not included.
7. The design charts do not apply to tiered walls.
8. The charts assume that the walls are constructed in accordance with Techo-Bloc specifications, good construction practice and an adequate drainage system.
9. The geogrid layout has been optimized to satisfy the design requirements of the NCMA's Design Manual for Segmental Retaining Walls, 3rd Edition.
10. The minimum burial depth must be 6 in (150 mm) or 10% of the exposed height, whichever is greater.
11. Engineering judgement should be used when interpolating between heights.
12. Techo-Bloc and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers accepts no liability for the incorrect use of information contained in the design charts.
13. For further information, please contact our technical service department.

INSTALLATION GUIDE

GRAVITY AND REINFORCED WALLS - G-FORCE



GRAVITY WALL DETAIL

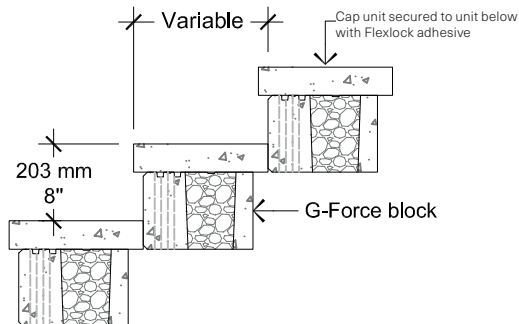


REINFORCED WALL DETAIL

- A. CAP FROM TECHO-BLOC
- B. G-FORCE BLOCK FROM TECHO-BLOC
- C. WALL INCLINATION (3.9°)
- D. EXPOSED HEIGHT
- E. HDPE VERTICAL KEY
- F. EMBEDMENT DEPTH
- G. TOP SOIL
- H. LOW PERMEABILITY SOIL
- I. ¾" (20 mm) CLEAN STONE

- J. RETAINED SOIL
- K. GEOTEXTILE
- L. PERFORATED DRAIN
- M. LEVELING PAD
- N. FOUNDATION SOIL
- O. GEOGRID
- P. REINFORCED SOIL
- Q. GEOGRID LENGTH

STEPS - G-FORCE

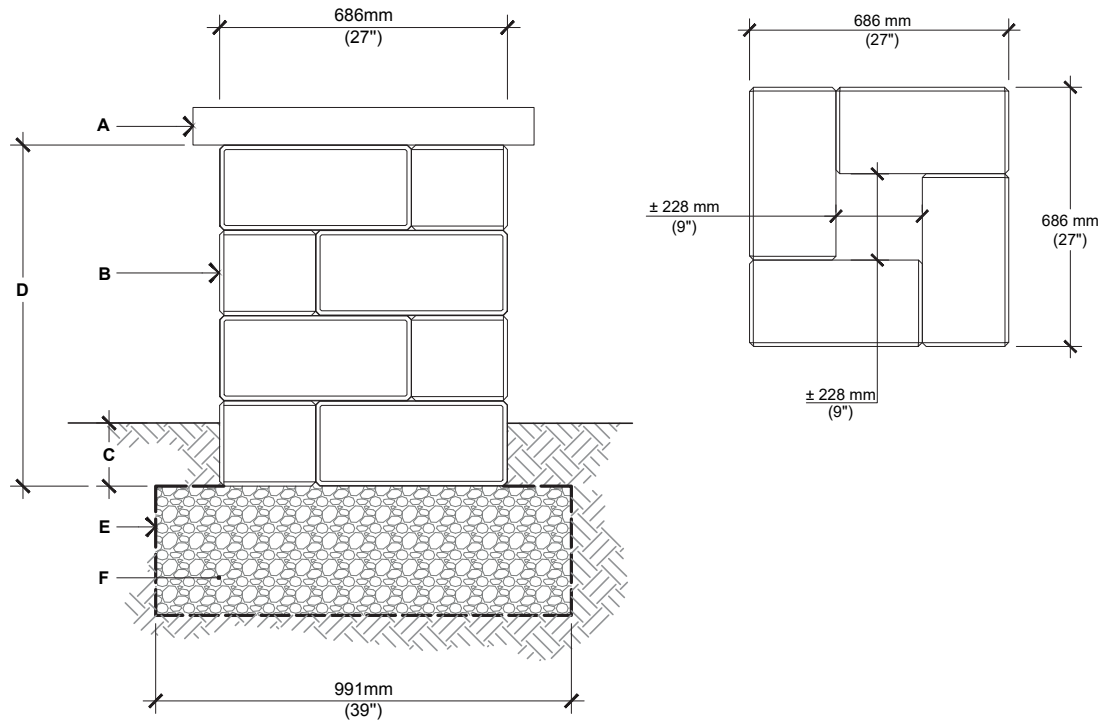


For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

Check with your local Building Codes to determine any restrictions or guidelines regarding the dimensions of steps (including riser height and step tread) as well as handrail specifications.

INSTALLATION GUIDE

PILLARS - G-FORCE



G-FORCE PILLAR

- A.** PILLAR CAP UNIT
(SECURE WITH FLEXLOCK ADHESIVE)
- B.** G-FORCE UNIT SECURE EACH ROW WITH
FLEXLOCK ADHESIVE
- C.** EMBEDMENT 6" (150 mm) MIN.
- D.** 32" (813 mm) HEIGHT PER PALLET
48" (1219 mm), MAX. HEIGHT
- E.** GEOTEXTILE
- F.** COMPACTED GRANULAR BASE 6"
(150 mm THICK MIN. THICKNESS ACCORDING
TO PROJECT SPECIFIC CONDITIONS)

For all possible combinations of pillars and caps, please refer to the correspondence table on page 137