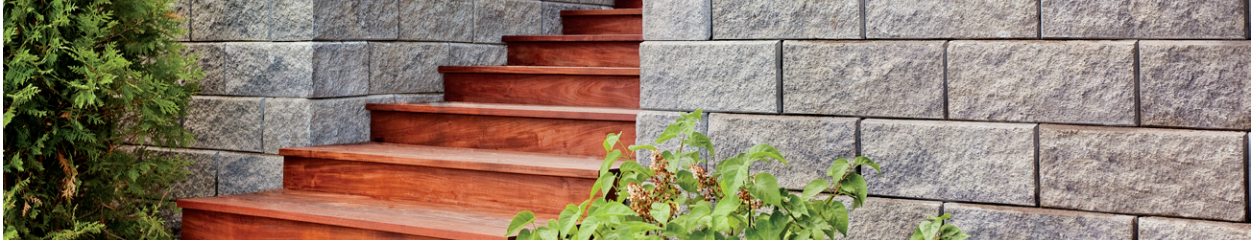
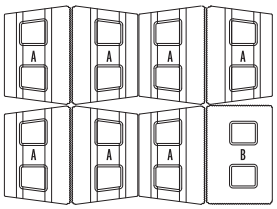


SUPREMA

DESCRIPTION: Wall **TEXTURE:** Split Face

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

The corners for Suprema have no grooves to accommodate the inserts and must therefore be glued with a concrete adhesive.

The corners can be used as right or left corner units or as a regular unit.

See page 102 to 122 for more technical information.

Only available in Eastern USA. See page 13 for list of Eastern and Midwestern States.

Specifications per pallet	Imperial	Metric
Cubing	**24 ft²**	2.23 m²
	36 lin. ft	10.97 lin. m
Approx. Weight	2 583 lbs	1 172 kg
Minimum radius	6 ft	1.82 m
Number of rows	3	
Coverage per row	8 ft²	0.74 m²
Linear coverage per row	12 lin. ft	3.66 lin. m

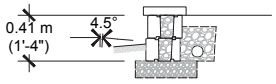
A	Unit dimensions	in	mm	Units/pallet
	Height	8	203	21 units
	Depth	12	305	
	Length	18	457	

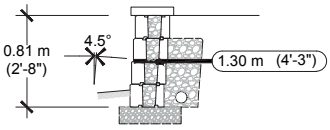
B				
	Height	8	203	3 units
	Depth	12	305	
	Length	18	457	

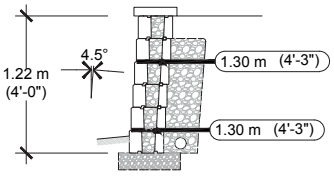
DESIGN CHART
SUPREMA
INCLINED POSITION

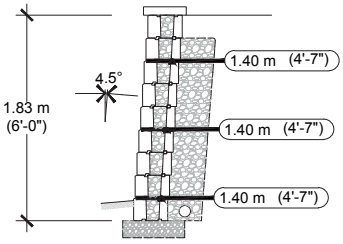
REINFORCED SOIL: GRAVEL/ SAND AND GRAVEL MIXES (Ø=35°, γ = 22 kN/m³)
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

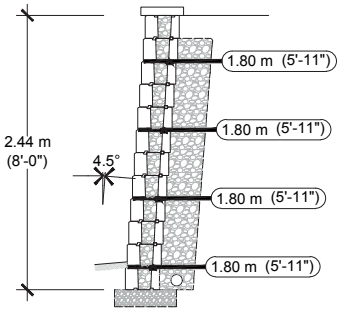
CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope

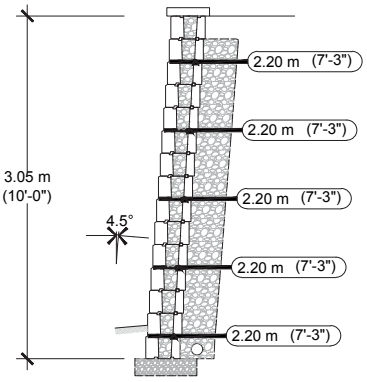








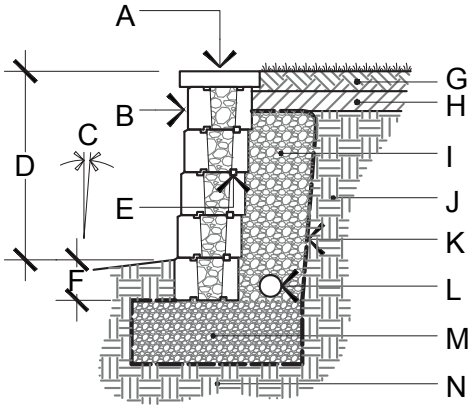




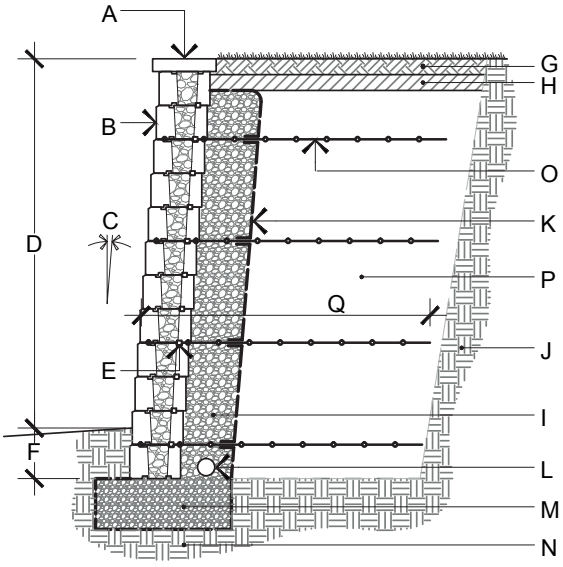
1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil (φ = 35°, γ = 22 kN/m³); retained soil (φ =26°, γ = 20 kN/m³); foundation soil (φ=26°, γ = 20 kN/m³)
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 150 mm (6 in) 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 - SUPREMA



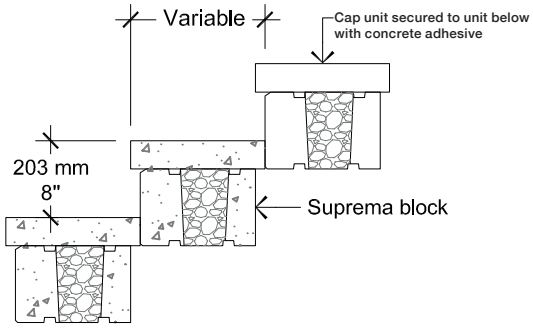
GRAVITY WALL DETAIL



REINFORCED WALL DETAIL

- **A.** CAP FROM TECHO-BLOC
- **B.** SUPREMA BLOCK FROM TECHO-BLOC
- **C.** WALL INCLINATION (4.5°)
- **D.** EXPOSED HEIGHT
- **E.** HDPE HORIZONTAL KEY
- **F.** EMBEDMENT DEPTH
- **G.** TOP SOIL
- **H.** LOW PERMEABILITY SOIL
- **I.** 3/4″ (20 mm) CLEAN STONE, 12″ (300 mm) THICK MIN.
- **J.** RETAINED SOIL
- **K.** GEOTEXTILE
- **L.** PERFORATED DRAIN
- **M.** LEVELING PAD
- **N.** FOUNDATION SOIL
- **O.** GEOGRID
- **P.** REINFORCED SOIL
- **Q.** GEOGRID LENGTH

STEPS - SUPREMA



For all possible combinations of pillars and caps, please refer to the correspondence table on page 106