

Design Specific Geometric Information

Retaining Wall System	DURA-HOLD Crib	Geogrid Type	N/A
Maximum Height mm (in)	1830 (72)	Crib Structure	Single Crib
Maximum Slope Above Wall	Horizontal	Maximum Slope Below Wall	None
Max. Surcharge Above Wall kPa (lb/sq.ft)	Traffic Surcharge 12 kPa (250 lb/sq.ft)	Depth of Embedment mm (in)	305 (12)
Batter of Wall	7.12 °	Compacted Base Dimension mm (in)	2440 x 305 (96 x 12)

Design Specific Soil Information

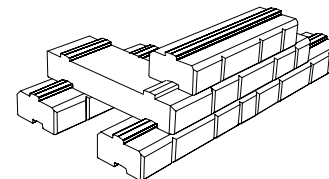
	Soil Region				
	Infill	Retained	Foundation	Base	Drainage
Description (by USCS)	GW	CL	CL	GW	GP
Effective Internal Friction Angle	39°	28°	28°	39°	NR
Moist Unit Weight kN/cu.m (lb/cu.ft)	22 (140)	20 (127)	20 (127)	22 (140)	NR
Effective Cohesion kPa (lb/sq.ft)	NR	NR	NR	NR	NR
Soil Notes	Placed in 150mm (6in) lifts and compacted to 95% SPD.	Must be undisturbed dense soil or well compacted engineered fill.	The ultimate bearing capacity must exceed 144kPa (3000lb/sq.ft)	Well graded, crushed, non frost susceptible granular soil compacted to 98% SPD.	Free draining, crushed granular 19mm (3/4in) clear stone, 300mm (12 in) thick minimum.

NR - Not Required

NOTE - This is drawing No.2 of 4. The above design must be accompanied by the related PRODUCT SPECIFICATION, SOIL CLASSIFICATIONS, and GENERAL INFORMATION drawings.

This design meets or exceeds Risi Stone Systems' engineering design standards, however no analysis of global stability has been performed. A qualified geotechnical engineer must be retained to approve the design, confirm the site conditions, and inspect construction.

PURA-SALES
INTERLOCKING RETAINING WALL SYSTEMS

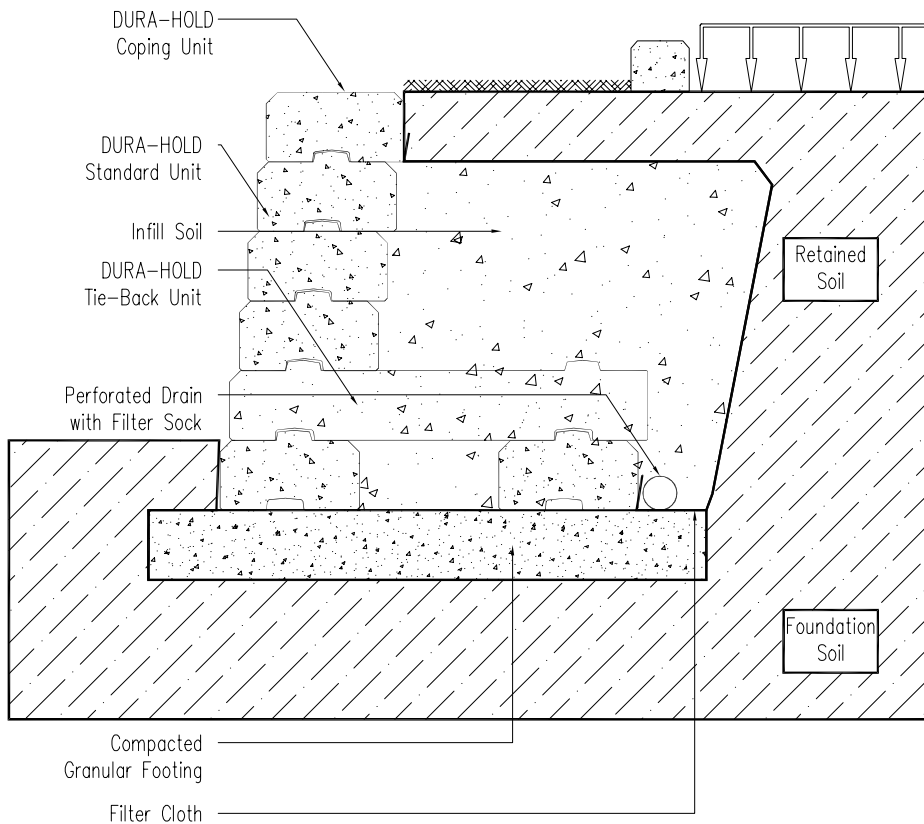


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DURA-HOLD [®]
Retaining Wall
Crib Section

DHCBQA06.DWG

Drawing 2 of 4



Design Specific Geometric Information

Retaining Wall System	DURA-HOLD Crib	Geogrid Type	N/A
Maximum Height mm (in)	1830 (72)	Crib Structure	Single Crib
Maximum Slope Above Wall	Horizontal	Maximum Slope Below Wall	None
Max. Surcharge Above Wall kPa (lb/sq.ft)	Traffic Surcharge 12 kPa (250 lb/sq.ft)	Depth of Embedment mm (in)	305 (12)
Batter of Wall	7.12 °	Compacted Base Dimension mm (in)	2440 x 305 (96 x 12)

Design Specific Soil Information

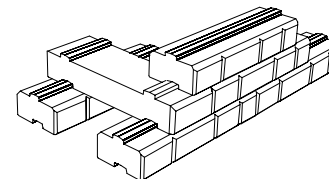
	Soil Region				
	Infill	Retained	Foundation	Base	Drainage
Description (by USCS)	GW	SM	SM	GW	GP
Effective Internal Friction Angle	39°	34°	34°	39°	NR
Moist Unit Weight kN/cu.m (lb/cu.ft)	22 (140)	19.7 (125)	19.7 (125)	22 (140)	NR
Effective Cohesion kPa (lb/sq.ft)	NR	NR	NR	NR	NR
Soil Notes	Placed in 150mm (6in) lifts and compacted to 95% SPD.	Must be undisturbed dense soil or well compacted engineered fill.	The ultimate bearing capacity must exceed 144kPa (3000lb/sq.ft)	Well graded, crushed, non frost susceptible granular soil compacted to 98% SPD.	Free draining, crushed granular 19mm (3/4in) clear stone, 300mm (12 in) thick minimum.

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PURA-SALES
INTERLOCKING RETAINING WALL SYSTEMS

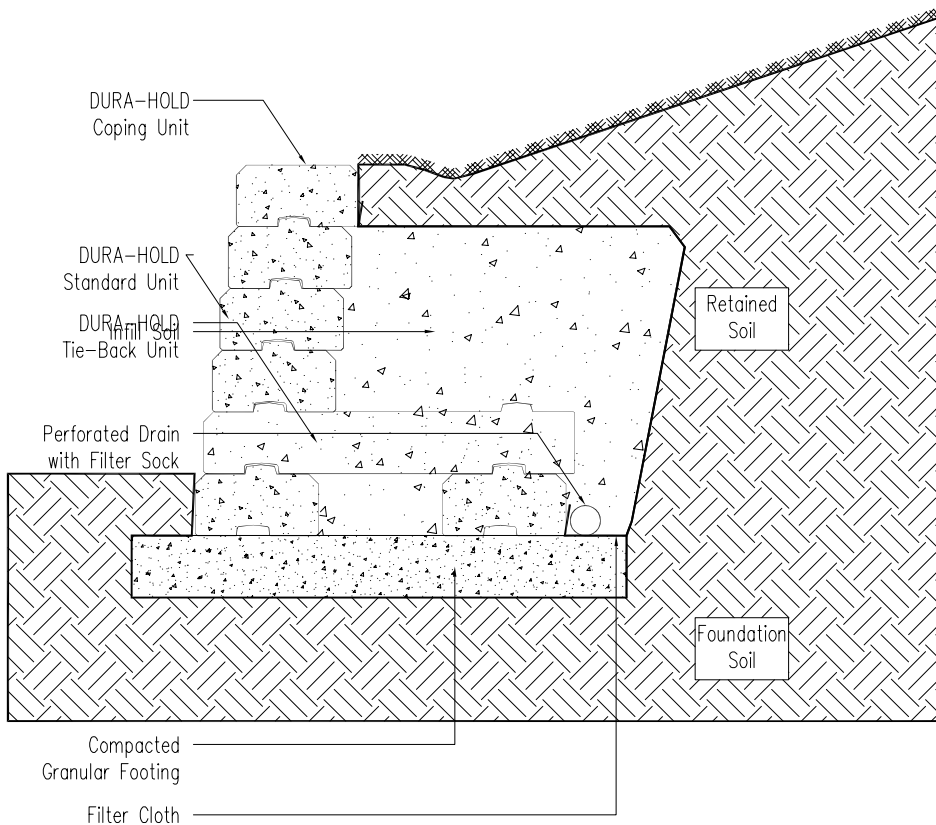


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DURA-HOLD [®]
Retaining Wall
Crib Section

DHCBQB06.DWG

Drawing 2 of 4



Design Specific Geometric Information

Retaining Wall System	DURA-HOLD Crib	Geogrid Type	N/A
Maximum Height mm (in)	1830 (72)	Crib Structure	Single Crib
Maximum Slope Above Wall	1V: 3H	Maximum Slope Below Wall	None
Max. Surcharge Above Wall kPa (lb/sq.ft)	None	Depth of Embedment mm (in)	305 (12)
Batter of Wall	7.12 °	Compacted Base Dimension mm (in)	2440 x 305 (96 x 12)

Design Specific Soil Information

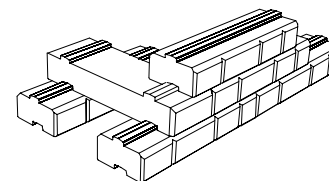
	Soil Region				
	Infill	Retained	Foundation	Base	Drainage
Description (by USCS)	GW	CL	CL	GW	GP
Effective Internal Friction Angle	39°	28°	28°	39°	NR
Moist Unit Weight kN/cu.m (lb/cu.ft)	22 (140)	20 (127)	20 (127)	22 (140)	NR
Effective Cohesion kPa (lb/sq.ft)	NR	NR	NR	NR	NR
Soil Notes	Placed in 150mm (6in) lifts and compacted to 95% SPD.	Must be undisturbed dense soil or well compacted engineered fill.	The ultimate bearing capacity must exceed 144kPa (3000lb/sq.ft)	Well graded, crushed, non frost susceptible granular soil compacted to 98% SPD.	Free draining, crushed granular 19mm (3/4in) clear stone, 300mm (12 in) thick minimum.

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PURA-SALES
INTERLOCKING RETAINING WALL SYSTEMS

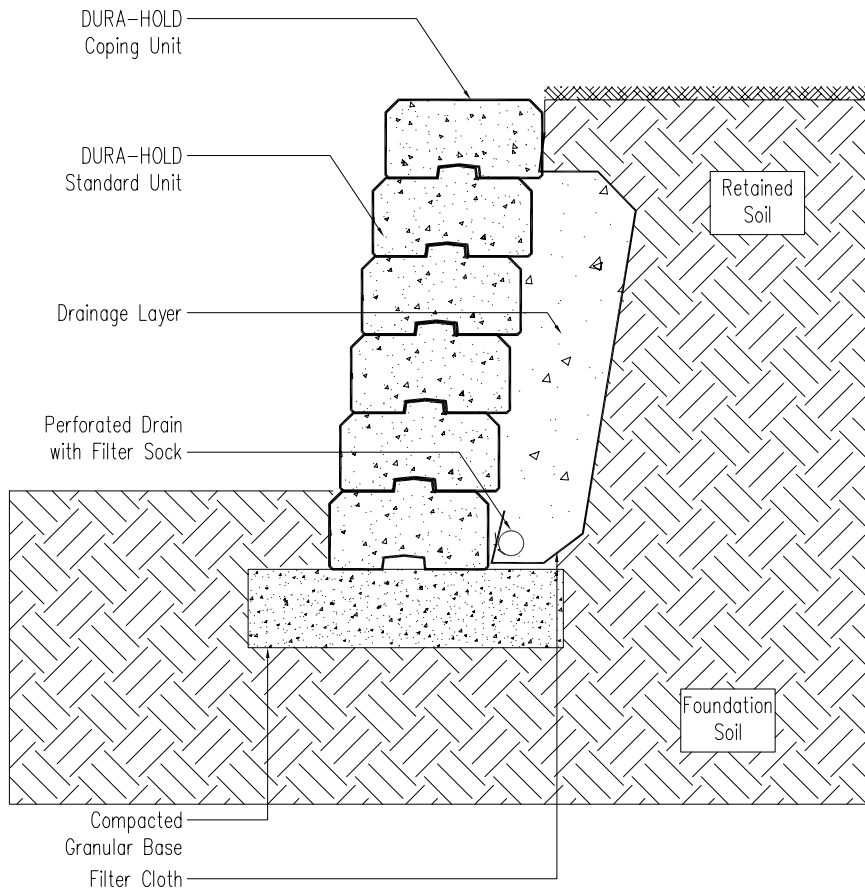


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DURA-HOLD [®]
Retaining Wall
Crib Section

DHCBSA06.DWG

Drawing 2 of 4



Design Specific Geometric Information

Retaining Wall System	DURA-HOLD	Geogrid Type and Manufacturer	N/A
Maximum Height mm (in)	1830 (72)	Minimum Geogrid LTDS kN/m (lb/ft)	N/A
Maximum Slope Above Wall	Horizontal	Maximum Slope Below Wall	None
Max. Surcharge Above Wall kPa (lb/sq.ft)	None	Depth of Embedment mm (in)	305 (12)
Batter of Wall	7.12 °	Compacted Base Dimension mm (in)	1228 x 305 (48 x 12)

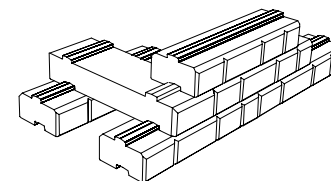
Design Specific Soil Information

	Soil Region				
	Infill	Retained	Foundation	Base	Drainage
Description (by USCS)	N/A	CL	CL	GW	GP
Effective Internal Friction Angle	N/A	28°	28°	39°	NR
Moist Unit Weight kN/cu.m (lb/cu.ft)	N/A	20 (127)	20 (127)	22 (140)	NR
Effective Cohesion kPa (lb/sq.ft)	N/A	NR	NR	NR	NR
Soil Notes	Placed in 150mm (6in) lifts and compacted to 95% SPD.	Must be undisturbed dense soil or well compacted engineered fill.	The ultimate bearing capacity must exceed 144kPa (3000lb/sq.ft)	Well graded, crushed, non frost susceptible granular soil compacted to 98% SPD.	Free draining, crushed granular 19mm (3/4in) clear stone, 300mm (12 in) thick minimum.

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PURA-SALES
INTERLOCKING RETAINING WALL SYSTEMS



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DURA-HOLD [®]
Retaining Wall
Gravity Section

DHGBHA06.DWG

Drawing 2 of 4

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