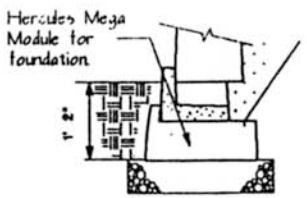
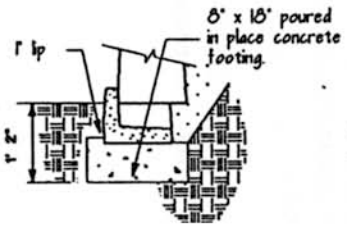
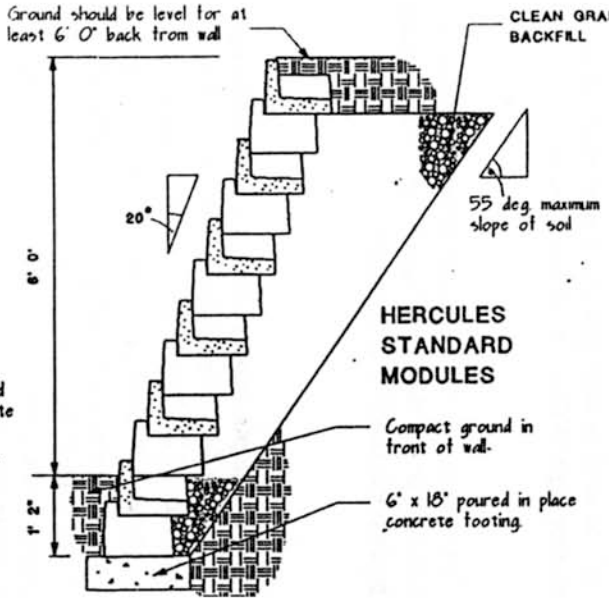
MASTERPLAN FOR RESIDENTIAL RETAINING WALLS OF HERCULES STANDARD AND MEGA MODULES

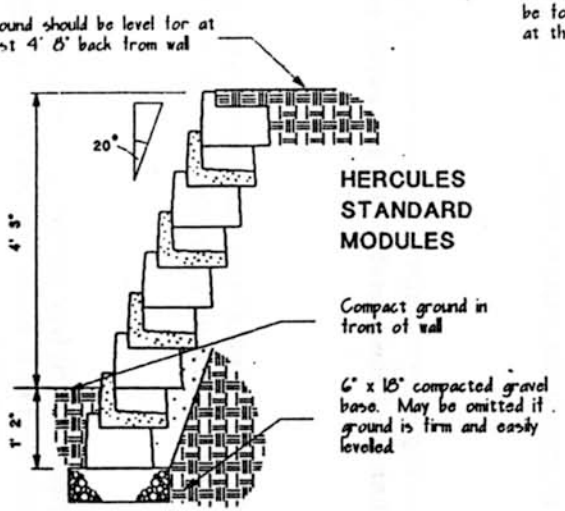


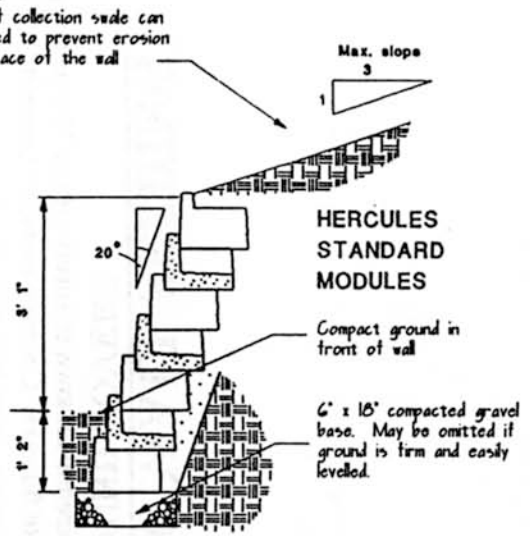
ALTERNATE FOOTING DETAIL FOR 8" 0" HERC. STD. WALL

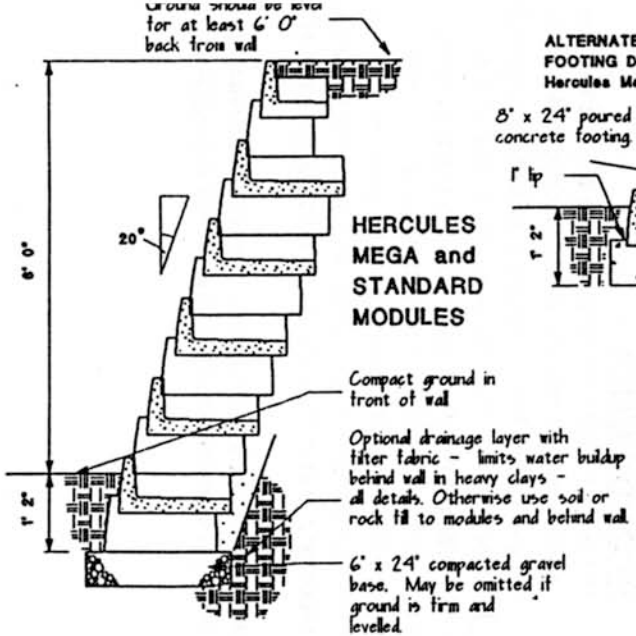
ALTERNATE CONCRETE FOOTING DETAIL FOR ANY HERCULES STD. WALL



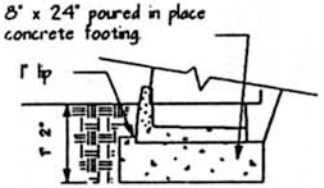


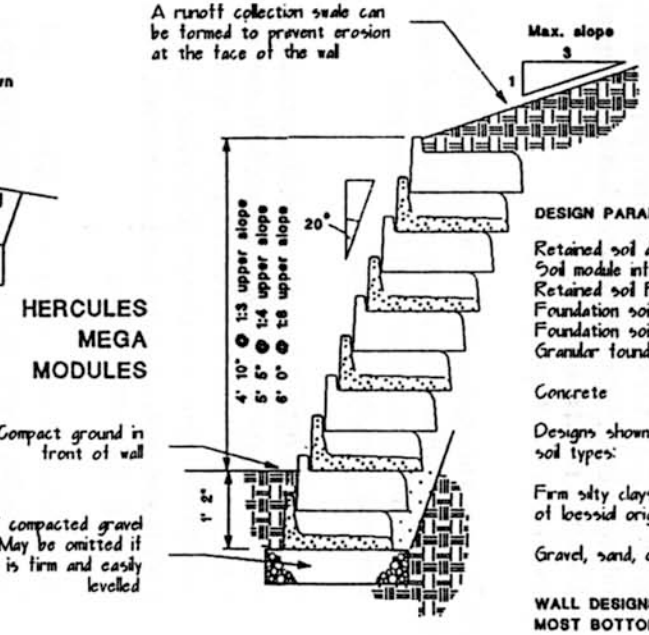






ALTERNATE CONCRETE FOOTING DETAIL - for Hercules Mega walls shown





FOUNDATION NOTES

Using the concrete footing detail with a lip will save one course of modules in the foundations (see detail).

Using the Mega Module for the footing with the 6' 0" Std. wall will avoid using a concrete footing for this wall.

DESIGN PARAMETERS

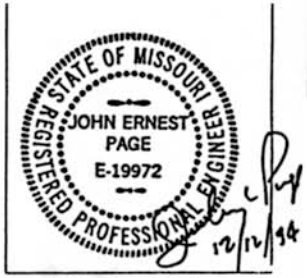
Retained soil density	120 pcf
Soil module infill density	100 pcf
Retained soil PHI angle	25 degrees
Foundation soil PHI angle	25 degrees
Foundation soil adhesion	250 psf
Granular foundation PHI angle	34 degrees
Concrete	f'c= 3000 psi

Designs shown are suitable for the following soil types:

Firm silty clays typical of the firmer silty clays of loessial origin occurring in the St. Louis area

Gravel, sand, or gravelly or sandy clays

WALL DESIGNS ARE NOT SUITABLE FOR MOST BOTTOM LAND SOILS



The Engineers seal (above) on this drawing attests only to the possibility of the detailed construction for the theoretical parameters used. Any person attempting to use these details is cautioned to hire the services of an engineer experienced in soil and foundation work. Building code authority inspectors should take particular care to ensure that conditions in the field do not vary from those indicated for the construction type shown.

ST LOUIS RETAINING WALL COMPANY		
J.E.P.	MASTERPLAN	
J.E.P.	MASTER PLAN	
M.A.W.		12-10-94
1/2"=1' 0"	7-21-94	1 OF 1

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