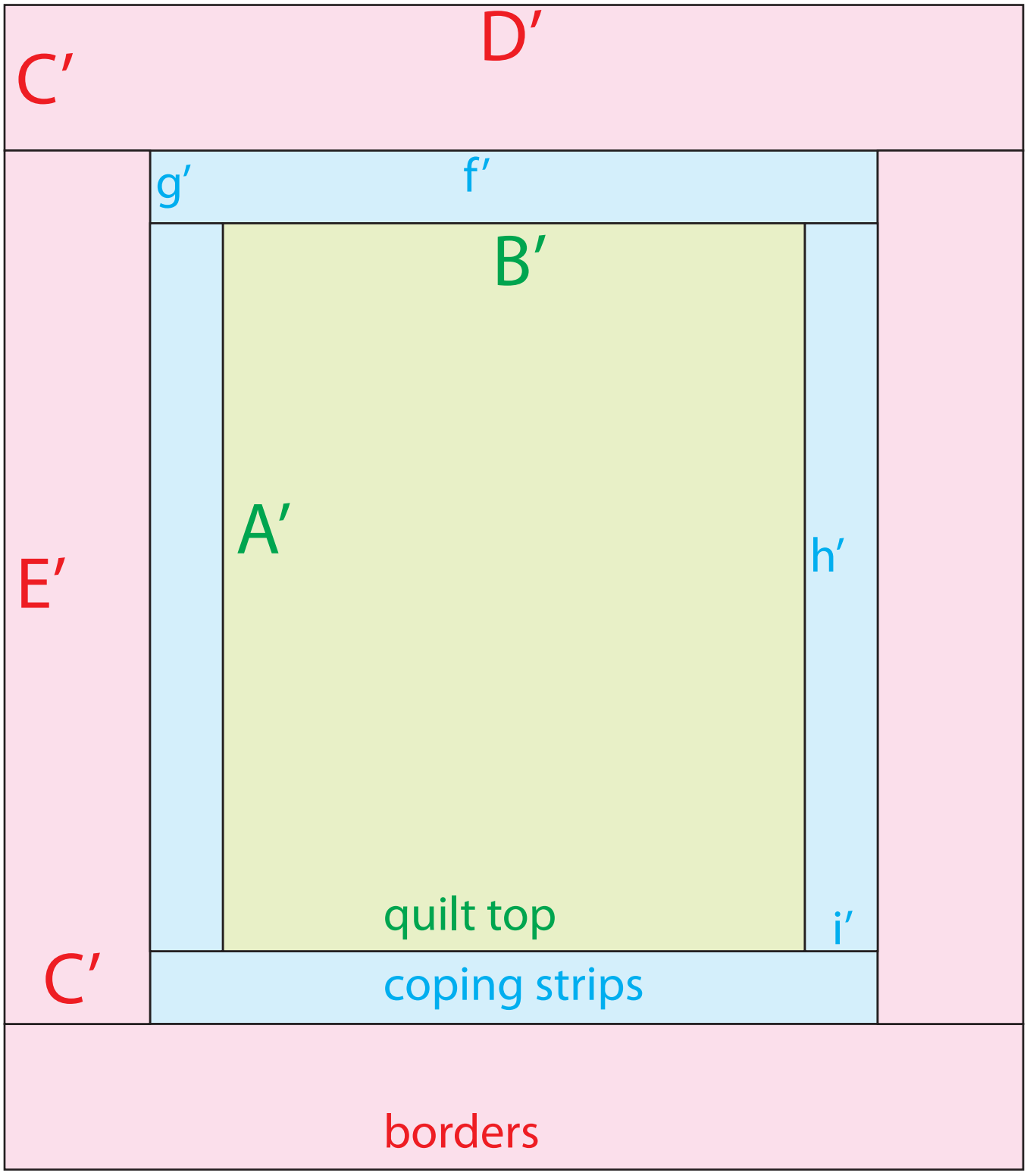
CALCULATION FOR COPING STRIP SIZE



When pieced borders are created, sometimes they don't fit perfectly around the quilt top, and extra strips are needed between the quilt top and the borders. These are called coping strips. The equations below show how to calculate the required size of the coping strips based on the dimensions of the quilt top and the border strips. There is a detailed example on the next page.

Note, primed values (e.g. A') are the finished dimensions, as shown in the drawing. Unprimed values (e.g. A) are measured or cutting dimensions which include seam allowances.

Measure and calculate the following:

A' and A = quilt top height. Measure A, then A'=A-1/2"

B' and B = quilt top width. Measure B, then B'=B-1/2"

C' and C = border width for all borders. Measure C, then C'=C-1/2"

D' and D = top/bottom border length. Measure D then D'=D-1/2"

E' and E = side border length. Measure E, then E'=E-1/2"

These are the coping strip dimensions you will calculate:

f' and f= top/bottom coping strip length

g' and g= top/bottom coping strip width

h' and h= side coping strip length

i' and i= side coping strip width

Use the following equations to calculate the finished (primed) dimensions for the coping strips and then add 1/2" to each of them for the seam allowances to obtain the cutting dimensions:

g'=(E'-A')/2	and	g=g'+1/2"
f'=D'-2C'	and	f=f'+1/2"
i'=(D'-2C'-B')/2	and	i=i'+1/2"
h'=A'	and	h=h'+1/2"

Example calculation:
I just finished a crib quilt top and pieced borders;
I measured the following dimensions:
A=39″ , B=32.5″ , C=4.5″ , D=45.5″ , E=41″
so, subtracting 1/2″ from each of these:
A′=38.5″ , B′=32″ , C′=4″ , D′=45″ , E=40.5″
and calculating:

g′=(40.5-38.5)/2=1″	so	g=1.5″
f′=45-(2x4)=37″	so	f=37.5″
i′=(45-2x4-32)/2=2.5″	so	i=3″
h′=38.5″	so	h=39″

So I cut 2 each coping strips 1.5″x37.5″ and 3″x39″.
Here is the assembled quilt top: