Amateur radio tower and moon

6 inch (15 cm) hoop, 4.9 × 4.9 in (12.4 × 12.4 cm)



Colors by number: page 2.
Fabric: navy cotton or linen.

What you need

A 6 inch (15 cm) hoop.

A 9 inch (23 cm) square of navy cotton or linen.

Embroidery needles, size 9, and size 3 for 4 to 6 strands.

16 colors of floss (page 2): one skein of each color (an estimate from the drawing's lines and shapes).

A white pencil, and small scissors.

Onto the fabric

Fabric that lets light through: page 3 on a bright light, the fabric over it; trace with a white pencil.

Other fabric: print page 3 on a sticky wash-away sheet, stick it on, stitch through it and rinse it away.

Or white or yellow carbon paper, colored side down, page 3 on top; trace with a ballpoint and go over a faint line with a white pencil.

Then hoop it, inner ring under, tight as a drum.

How to read it

Floss has six strands: cut 18 inches (45 cm), pull out the number named one at a time, and lay them together.

Start a filling with tiny stitches, a line with a small knot; end under stitches on the back.

Every stitch in pictures: flossfield.com/embroidery/stitches.

New to this: flossfield.com/embroidery/guides/how-to-start.

Stitch in this order

Where a stitch page says otherwise, follow this list.

1. **Stem stitch**, 4 strands
   Back hill, front hill

2. **Long and short stitch**, 1 strand
   Moon



3. **Satin stitch**, 2 strands
   Tower feet, chimney, hut walls, hut roof, hut door, lamplit window



4. **Stem stitch**
   6 strands: rim, boom
   4 strands: tower legs, mast
   3 strands: eaves

5. **Fly stitch**, 3 strands
   Spruces (color 7)



6. **Back stitch**
   2 strands: spruces (color 7), tower bars
   1 strand: tower bracing, window frame (color 16), cable

7. **Running stitch**, 3 strands
   Signal

8. **Straight stitch**
   4 strands: antenna bars
   2 strands: stars
   1 strand: window frame (color 16)



9. **French knot**
   2 strands, two wraps
   Beacon, small stars



Take out lines that still show, press face down, finish the hoop.

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A number is a color of the list. Fine lines show which way the stitches lie: do not stitch them.



1	DMC 931 Medium Antique Blue	**7**	DMC 502 Blue Green	**13**	DMC 746 Off White
2	DMC 930 Dark Antique Blue	**8**	DMC 318 Light Steel Gray	**14**	DMC 932 Light Antique Blue
3	DMC 3810 Dark Turquoise	**9**	DMC 762 Very Light Pearl Gray	**15**	DMC 3823 Ultra Pale Yellow
4	DMC 3809 Very Dark Turquoise	**10**	DMC 356 Medium Terra Cotta	**16**	DMC 221 Very Dark Shell Pink
5	DMC 3808 Ultra Very Dark Turquoise	**11**	DMC 726 Light Topaz		
6	DMC 3820 Dark Straw	**12**	DMC 3752 Very Light Antique Blue		

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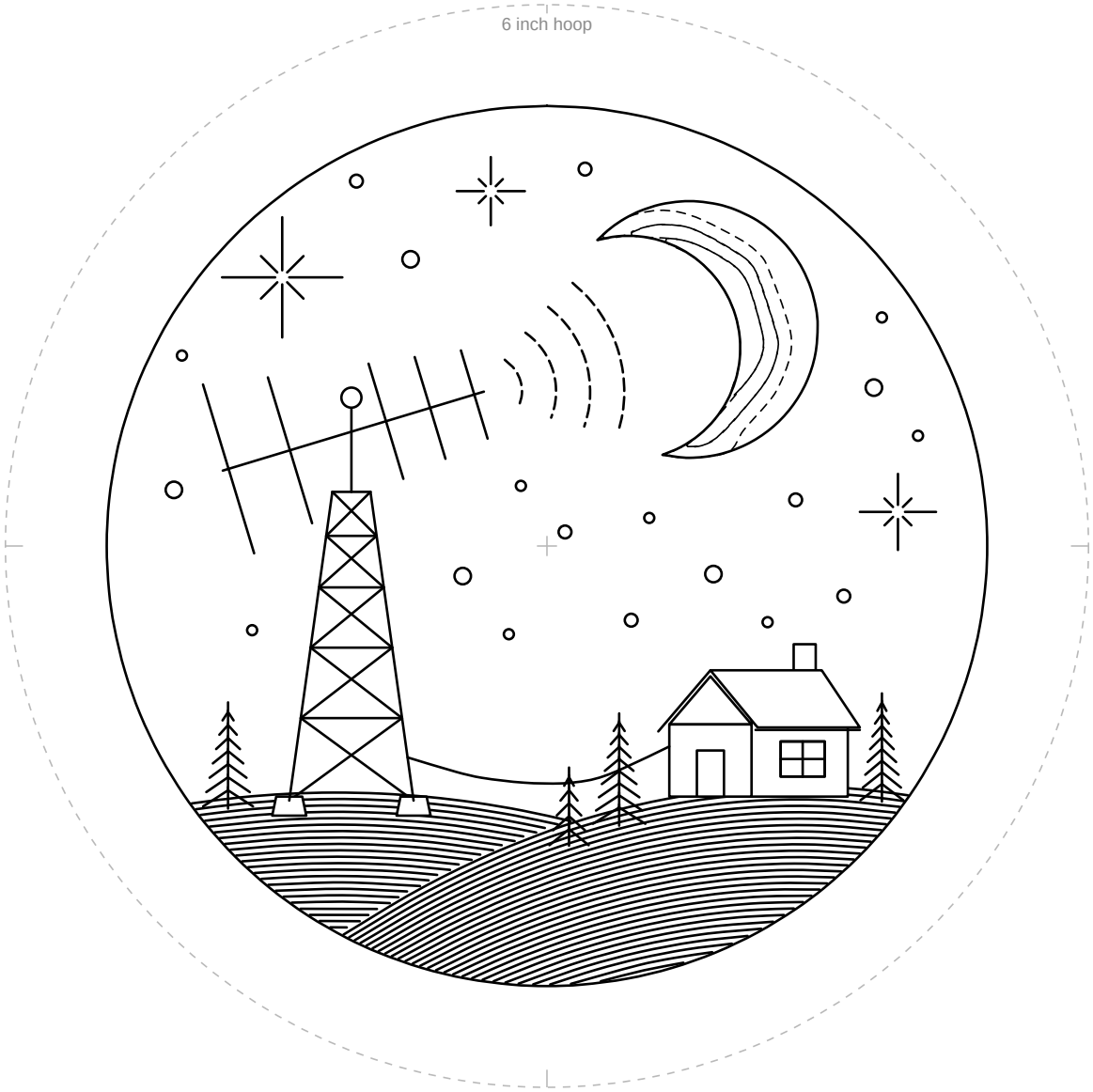
6 inch hoop

Print at 100% and measure the square. Trace the black lines only. The gray ring is the hoop: fold the fabric in four and lay the folds on its ticks.

On the drawing a ring is one French knot: mark a dot; a dashed line is running stitch; a finer one inside a shape is where two shades meet: trace it, do not stitch it.



1 in
25.4 mm

Not 1 inch (25.4 mm)? Print again at 100%.

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