Ham radio tower at Christmas

Sized for a 6 inch hoop (15 cm). The stitched design is about 4.7 × 4.7 in (11.9 × 11.9 cm).



Which color goes where: by number on page 2.
Fabric: navy cotton or linen.

Stitch in this order

Filled parts from the back of the picture forward, then lines and knots.

1. **Long and short stitch**, 1 strand
   Sky, far firs, snow slope, near drifts, roof snow
2. **Satin stitch**, 2 strands
   Boot prints, chimney, log walls, door, window, roof snow, chimney snow, drift at the walls, smoke, mast feet, mast legs, snow at the mast, and 3 more
3. **Back stitch**, strands by part on page 2
   Log seams, door frame, window frame, light cords
4. **Straight stitch**, strands by part on page 2
   Window bars, mast bracing, antenna stays
5. **Stem stitch**, strands by part on page 2
   Antenna, antenna rods, signal arcs, rim
6. **French knot**
   strands by part on page 2, two wraps
   Firs, snow on the firs, door wreath, lights, arc sparks, guiding star, stars

Floss

- **1 DMC 333 Very Dark Blue Violet** Sky (middle light)
- **2 DMC 939 Very Dark Navy Blue** Sky (darkest)
- **3 DMC 823 Dark Navy Blue** Sky (dark), far firs (darker)
- **4 DMC 791 Very Dark Cornflower Blue**
  Sky (middle dark), far firs (lighter)
- **5 DMC 3746 Dark Blue Violet** Sky (light)
- **6 DMC 340 Medium Blue Violet** Sky (lightest), smoke
- **7 DMC B5200 Snow White**
  Snow slope (lightest), near drifts (lighter), roof snow (light) and 7 more parts
- **8 DMC 792 Dark Cornflower Blue**
  Snow slope (darkest), boot prints and mast feet
- **9 DMC 794 Light Cornflower Blue**
  Rim, snow slope and roof snow (dark)
- **10 DMC 3747 Very Light Blue Violet**
  Snow slope (light), roof snow (middle), snow on the firs and near drifts (darker)
- **11 DMC 500 Very Dark Blue Green**
  Firs (dark), light cords
- **12 DMC 501 Dark Blue Green** Firs (middle)
- **13 DMC 502 Blue Green** Firs (light)
- **14 DMC 433 Medium Brown**
  Log walls and log seams (lighter), chimney and window frame
- **15 DMC 3371 Black Brown**
  Log walls and log seams (darker), door frame and window bars
- **16 DMC 666 Bright Red** Lights (dark), door
- **17 DMC 702 Kelly Green** Lights (middle), door wreath
- **18 DMC 744 Pale Yellow**
  Window (lighter), guiding star (middle), arc sparks
- **19 DMC 742 Light Tangerine**
  Lights (light), signal arcs, window (darker), guiding star (dark)
- **20 DMC 318 Light Steel Gray**
  Mast bracing and mast legs (darker), antenna stays
- **21 DMC 762 Very Light Pearl Gray**
  Mast legs and mast bracing (lighter), crossbeam, antenna rods and antenna

Three ways onto dark fabric

1. **Light shines through it**
   Lay page 3 on a bright light box, tape the fabric over it and trace the lines with a white marking pencil or pen.
2. **No light shines through**
   Print page 3 on a sticky wash-away sheet, smooth it onto fabric that can be washed, stitch through both and rinse it away.
3. **White or yellow carbon paper**
   Lay it colored side down on the fabric with page 3 on top, tape the layers and trace firmly with a ballpoint pen. Go over a faint line with a white pencil.

Page 3 is the pattern at actual size (page 4 is its mirror, for an iron-on pen on a light fabric). Print it at 100% with scaling turned off. Then put the fabric in the hoop: inner ring under, drawing up, tight as a drum.

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6 inch hoop

How to read it

Floss is six strands. Cut 18 inches (45 cm), pull out the number given one at a time, and lay them together.

Inside a filled shape start with two or three tiny stitches, which the filling covers. Start a line with a small knot on the back. End each thread by running the needle under the backs of a few stitches.

Each small ring is one French knot. A fine broken line inside a shape is where two shades meet: trace it, do not stitch it.

A number on the picture is a color of the list of floss on page 1. The fine lines on the colors show which way the stitches lie.

Every stitch in pictures: flossfield.com/embroidery/stitches. The first time: flossfield.com/embroidery/guides/how-to-start.



1	DMC 333 Very Dark Blue Violet	**8**	DMC 792 Dark Cornflower Blue	**15**	DMC 3371 Black Brown
2	DMC 939 Very Dark Navy Blue	**9**	DMC 794 Light Cornflower Blue	**16**	DMC 666 Bright Red
3	DMC 823 Dark Navy Blue	**10**	DMC 3747 Very Light Blue Violet	**17**	DMC 702 Kelly Green
4	DMC 791 Very Dark Cornflower Blue	**11**	DMC 500 Very Dark Blue Green	**18**	DMC 744 Pale Yellow
5	DMC 3746 Dark Blue Violet	**12**	DMC 501 Dark Blue Green	**19**	DMC 742 Light Tangerine
6	DMC 340 Medium Blue Violet	**13**	DMC 502 Blue Green	**20**	DMC 318 Light Steel Gray
7	DMC B5200 Snow White	**14**	DMC 433 Medium Brown	**21**	DMC 762 Very Light Pearl Gray

How many strands

Back stitch. 3 strands: window frame; 2 strands: door frame; 1 strand: log seams, light cords.
Straight stitch. 2 strands: window bars, mast bracing; 1 strand: antenna stays.
Stem stitch. 3 strands: antenna, antenna rods, rim; 2 or 3 strands: signal arcs.
French knot. 2 strands: firs, snow on the firs, lights, guiding star; 1 or 2 strands: arc sparks, stars; 1 strand: door wreath.

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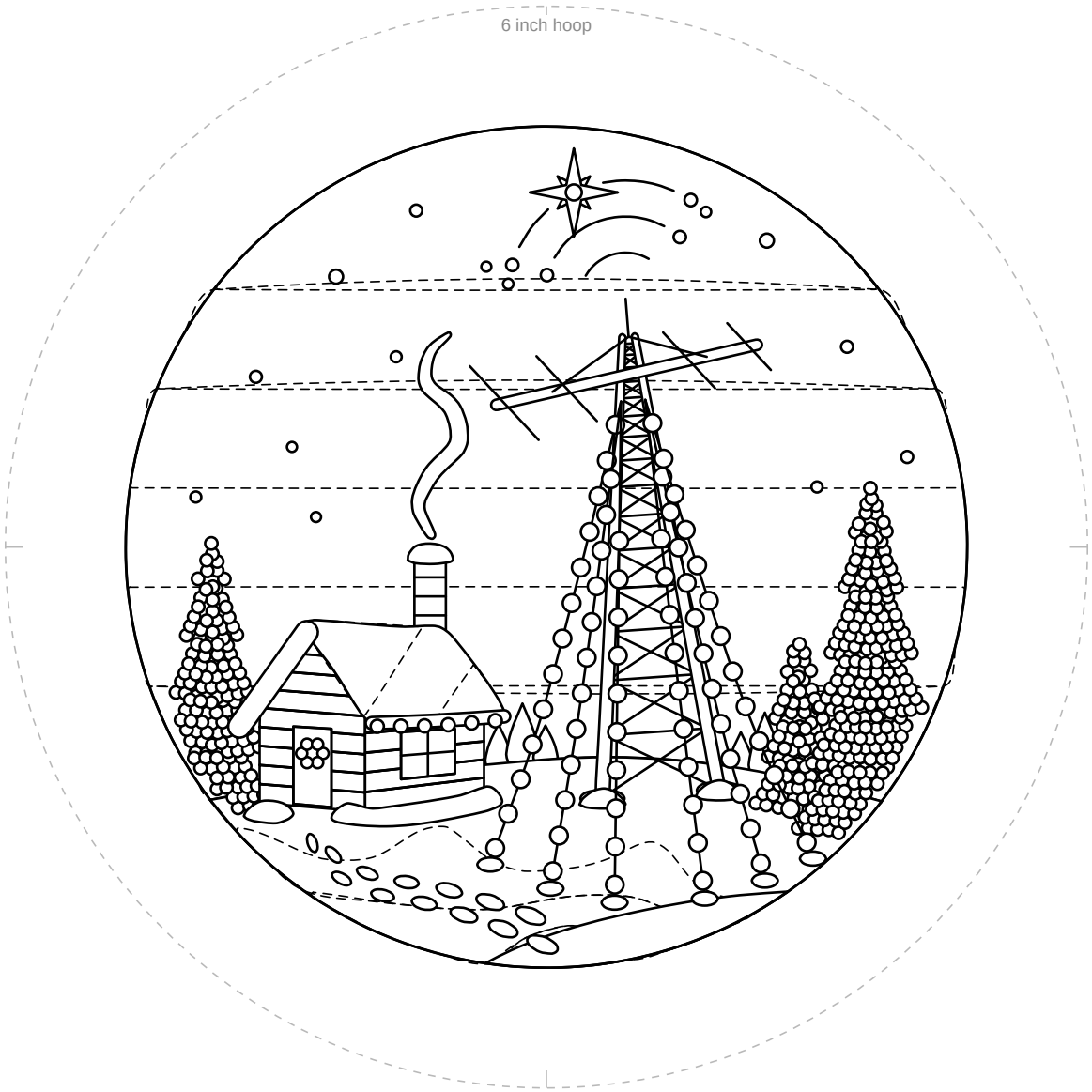
6 inch hoop

Print at 100% and check the square below with a ruler. Fold the fabric in four: the folds meet the four ticks of the ring.



1 in
25.4 mm

Check square: 1 inch (25.4 mm) on each side.
If it measures anything else, print again at 100% with scaling off.

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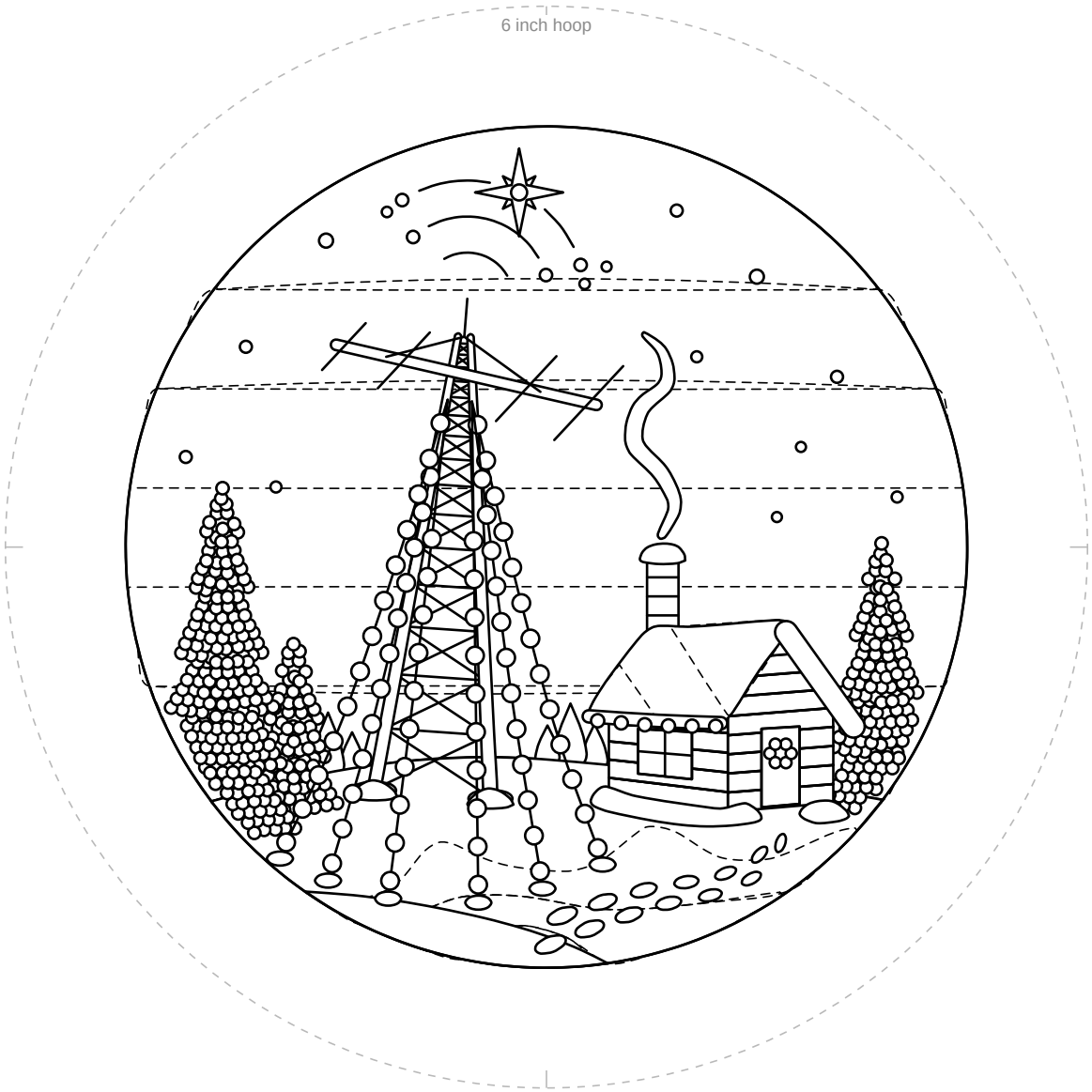
6 inch hoop

Mirrored. Trace this page with an iron-on transfer pen or pencil, then press it ink side down on the fabric.



1 in
25.4 mm

Check square: 1 inch (25.4 mm) on each side.
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