Layout Exam for 354

Sue Silverstein

1 x1 x .125 square tubing

15 pitch

1.5 x1.5 x .125 square tubing

60

54

23 pitch

15.5 pitch

Practice test
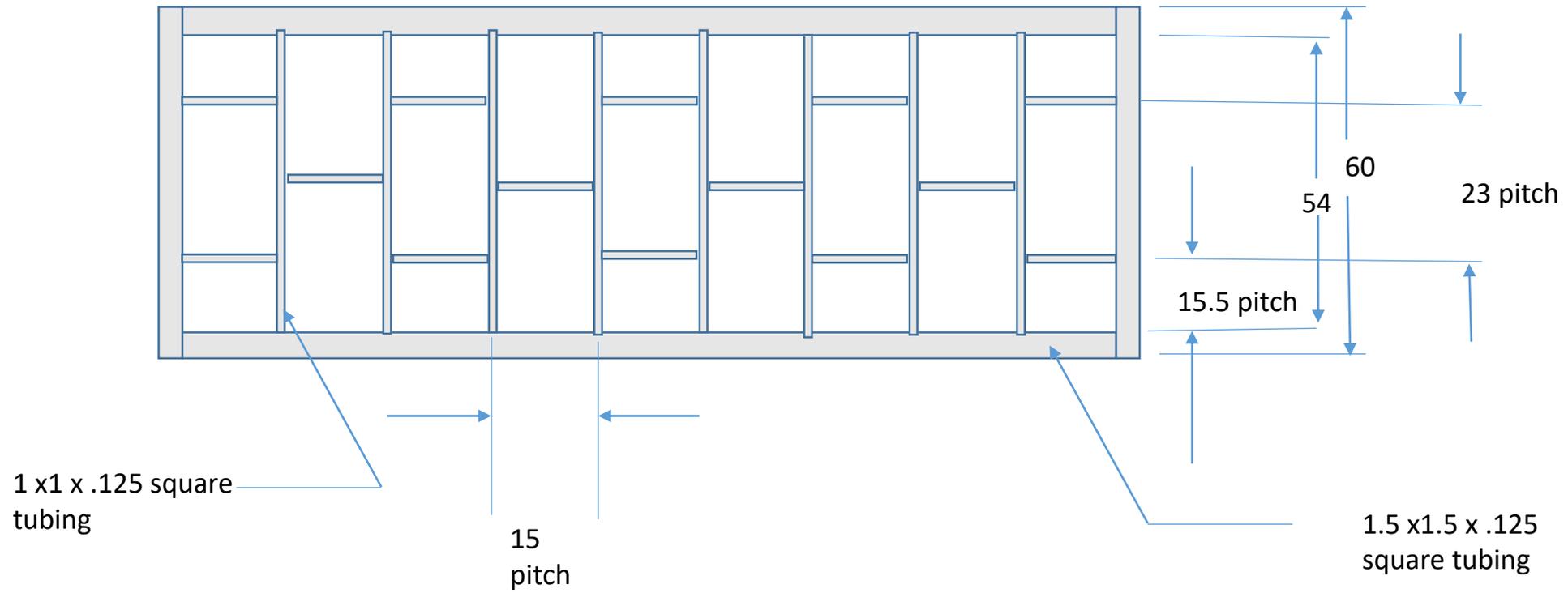
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How many 20 foot lengths of 2x2 and 1x1 tubing are required? **(Hint 20' = 240" & you must allow 1/16 (.0625) kerf per cut from saw. Always figure longest pieces to shortest)** Draw out how you would cut the parts – extra length are drawn.

Final for Layout   Name

What is the actual spacing between the 1" tubing for layout purposes? _____
How many spacing are there? _____

Create a material list for the gate.

Part	Material	length	QTY
Horizontal Frame			
Vertical Frame			
Long vertical posts			
Short vertical posts			
Horizontal braces			

What is the overall height and length of the steel gate? _____

How many 20 foot lengths of 2x2 and 1x1 tubing are required? **(Hint 20' = 240" & you must allow 1/16 (.0625) kerf per cut from saw. Always figure longest pieces to shortest)** Draw out how you would cut the parts – extra length are drawn.

?

6 pitch

6 pitch

1x1x1/8 steel
square tube
TYP

2x2x1/8 steel
square tube
TYP

Spacing

42

30

25

4

?

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