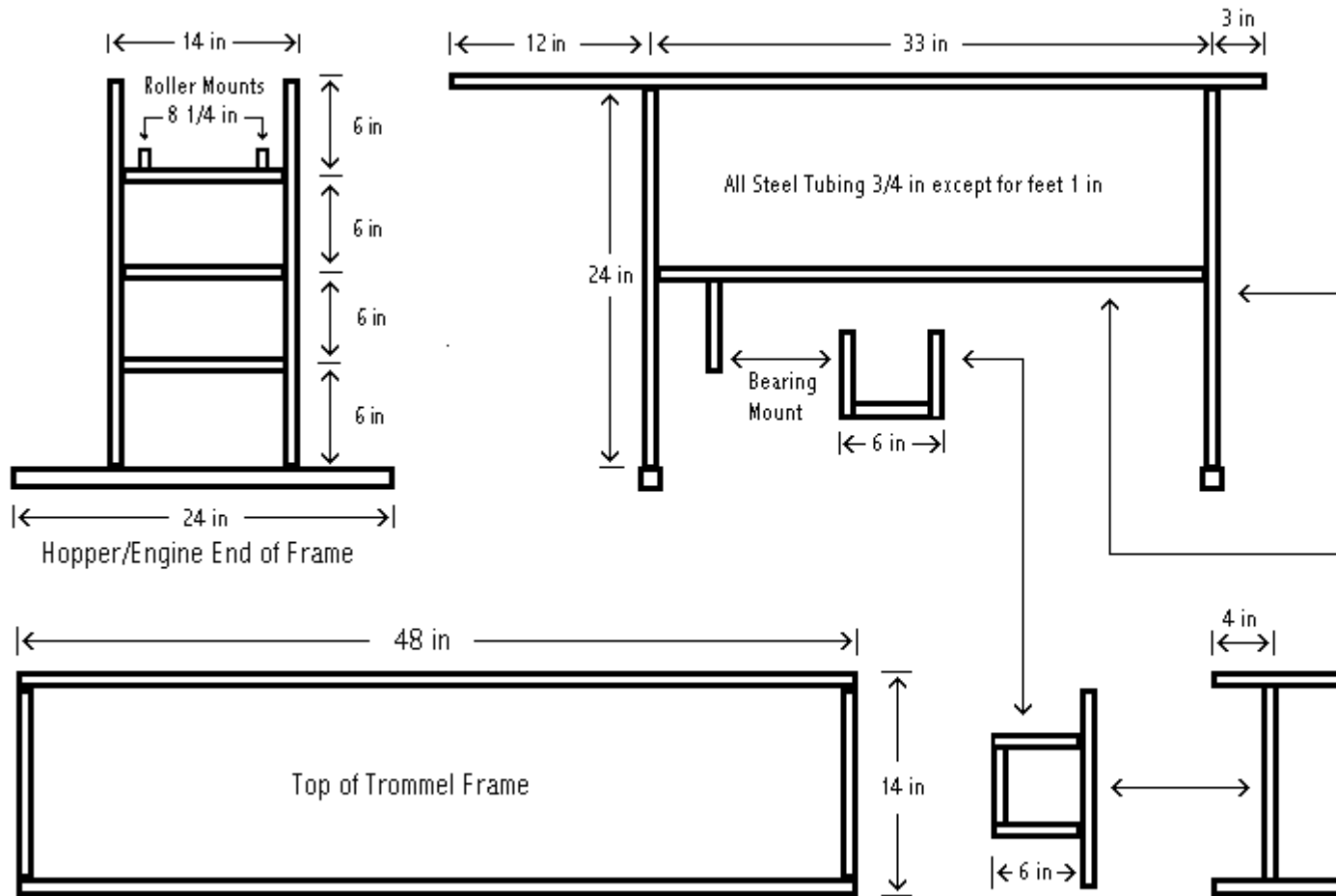


Trommel Plans

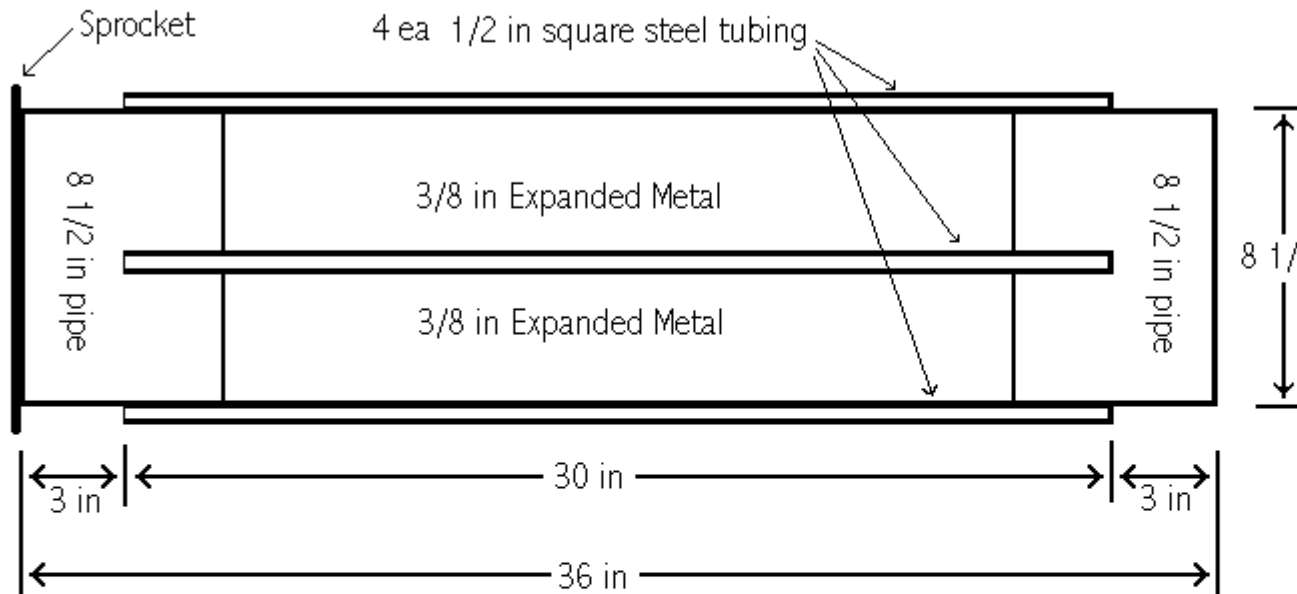


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1. All dimensions approximate , remember all subassemblies must match together.
2. Frame is based/built around a 8 1/2 in Trommel Barrel, what you come up with for barrel may change dimensions.
3. Frame is layed out with 3 layers of gear reduction in mind to get barrel speed down to 20 -30 RPM.

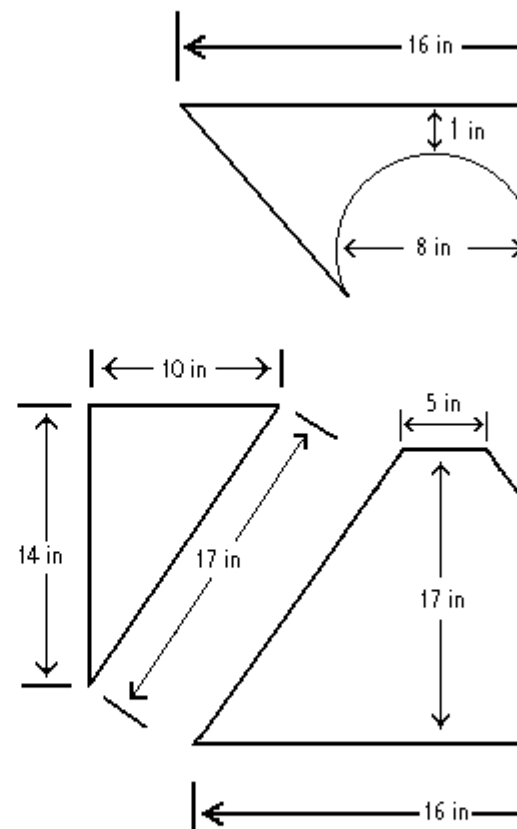
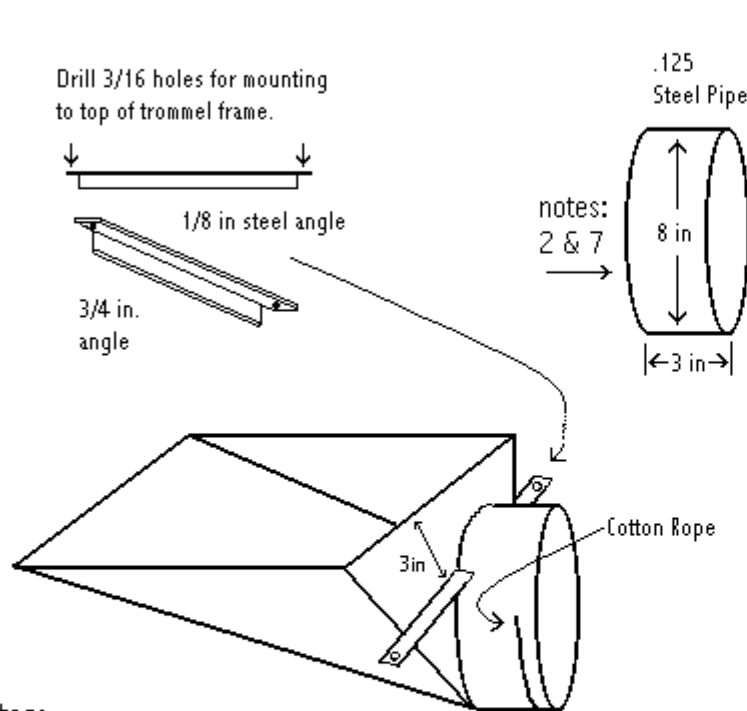
Bill Fletcher's Mini Trommel Plans --- Page 2 Trommel



Notes:

1. Barrel is made from 2ea sections of 8 1/2 x 6 in steel pipe .125 in thick. Four ea 30 in by 1/2 in steel tubing
2. The 3/8 in expanded metal is rolled, inserted, and welded inside the barrel assembly.
3. I used a 84 tooth #35 steel sprocket with 8 1/2 center cut out , welded to end section of pipe. (can go up to 96 tooth)
4. Larger 96 tooth sprocket is best when using only 2 layers of gear reduction, mine (more complicated) had 3 layers
5. Expanded Metal is rolled up, slipped inside trommel barrel and tack welded in place.

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Notes:

1. All sheetmetal is .040 steel, mig welded where necessary.
2. Hopper insert barrel is 8 in x 3 in x .125 steel.
3. Hopper will slide into trommel barrel 2 in, 1 in will remain out for mounting spray bar.
4. These measurements not exact may have to vary slightly to fit your Trommel Barrel.
5. The rear three pieces of hopper may be bent out of a single piece if careful, best to mock up out of posterboard first.
6. The hopper should be built after the trommel barrel, so as to match it closer. (trommel barrel pipe harder to find)
7. Hopper insert barrel can be cut from trommel pipe, slice out 1 in section and reweld to a smaller dia.
8. A peice of 3/16 in cotton rope may be riveted and expoxied under pipe set back 1/2 in to seal water back wash.