

# Carl'sPlace

## 9x21 Projector Screen Frame Kit

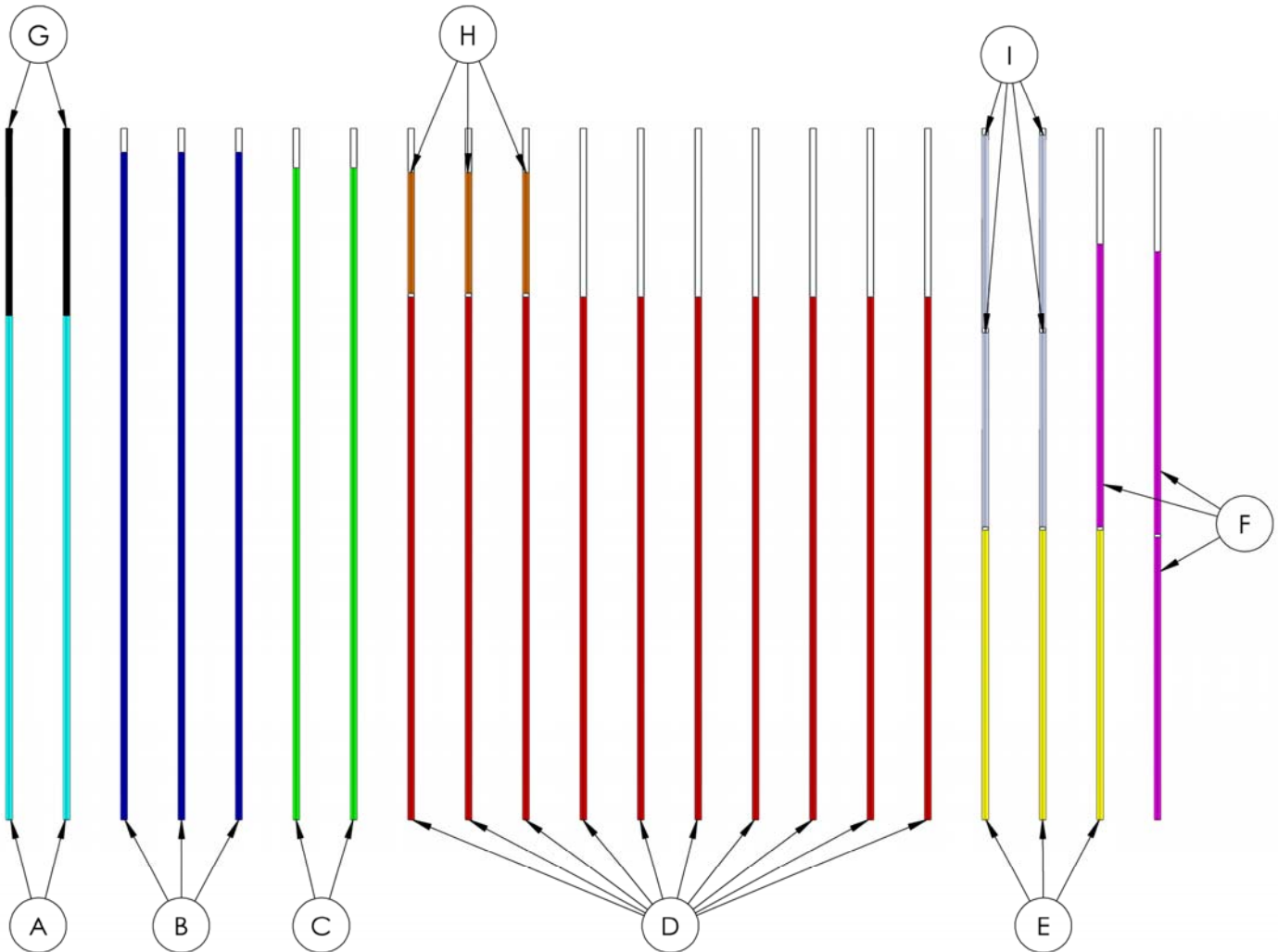
### Tubing Cut List and Assembly Instructions

Thank you for purchasing a projector screen frame kit from Carl's Place! Included in this document you will find all the information you should need to assemble your new 9x22 Projector Screen. **Before proceeding, please read the following tips to help make the project go as smoothly as possible:**

- This kit requires twenty-one 10' long 1" EMT tubes (electrical conduit). These can be found at any building supply store and most hardware stores and lumber yards. Just ask for 1-inch EMT and an employee there can direct you to the materials.
- When cutting the tubes to length, there are several tools that can be used. A hacksaw with a metal-cutting blade works well but is not the fastest. A band saw, jig saw, or reciprocating saw with a metal cutting blade will make things go a little faster, and a dedicated pipe cutter will make the cleanest cuts. **Please be careful with cut edges of EMT, as they can be very sharp.**
- The included fittings work by inserting a piece of EMT into them and tightening down the eye-bolts. After getting them finger tight, a wrench or screwdriver can be used to further tighten the joint. The eye-bolt will actually create a dent in the tube and hold it precisely in place.
- The measurements shown on the tube cutting list assume that the tubes will be inserted 4" into the fittings. It is highly recommended that you mark each end of each tube at 4" as a reference to use while assembling the frame. After assembly is complete you may find you need to adjust tubes in or out slightly to your liking. The 4" insertion allows for some flexibility either way.
- Finally, **do not leave your screen out in the wind unless it is sufficiently anchored to the ground!** A projector screen can catch a large amount of wind and as such can easily produce a lot of damage if not anchored well.

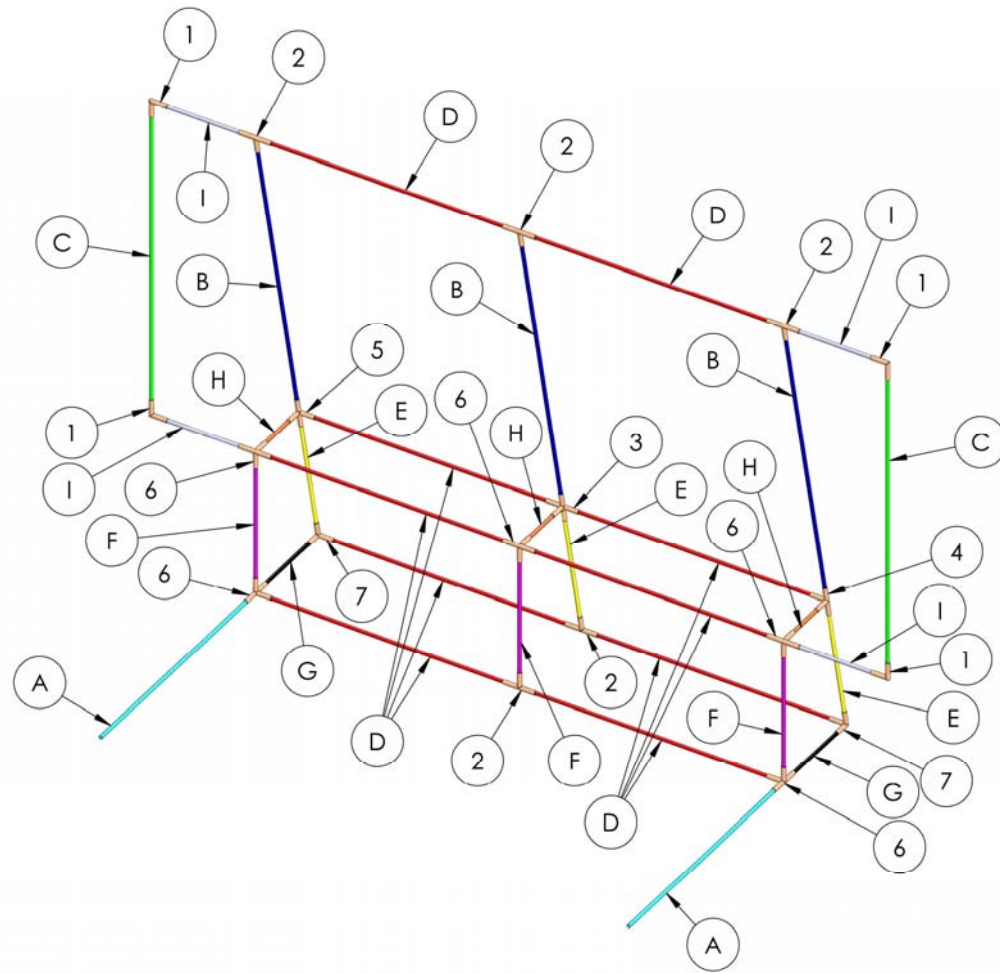
# Tubing Cut List

The image below shows how to cut the required lengths out of 21 tubes



Tube Letter	Quantity	Length
A	2	87 3/8"
B	3	116"
C	2	113 1/4"
D	10	90 3/4"
E	3	50 1/4"
F	3	49"
G	2	32 5/8"
H	3	21"
I	4	33 5/8"

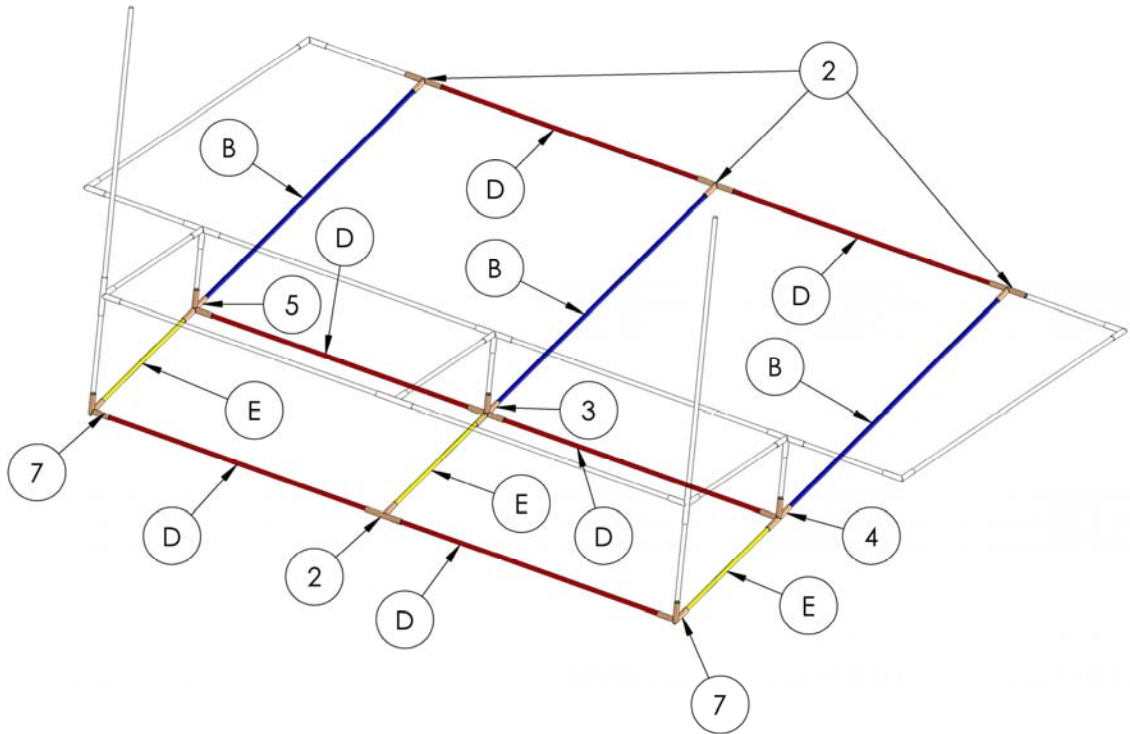
# Completed Assembly Reference



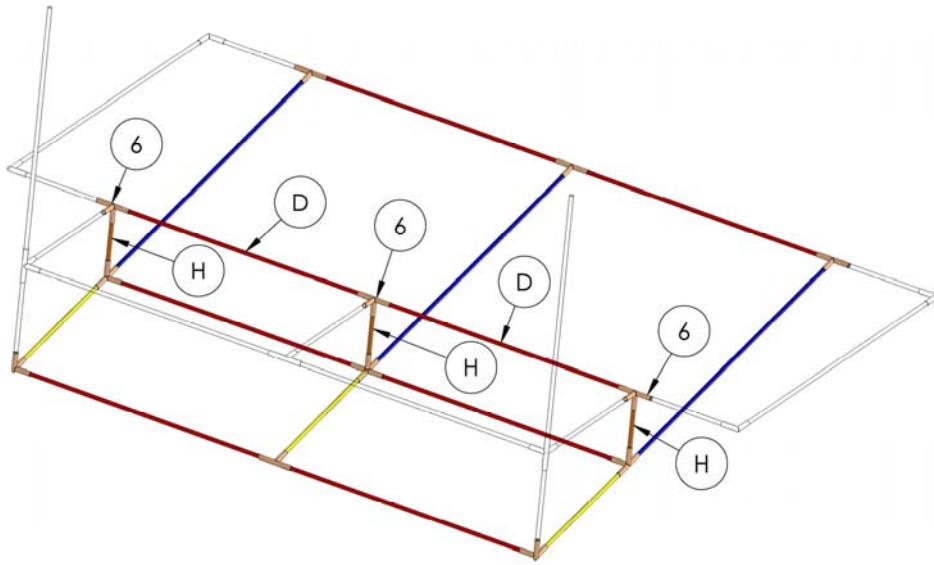
# Assembly Steps

The following steps show the assembly order of the frame. It is easiest to perform the assembly while the frame is tipped over, resting on its back. The diagrams below show the frame from this angle.

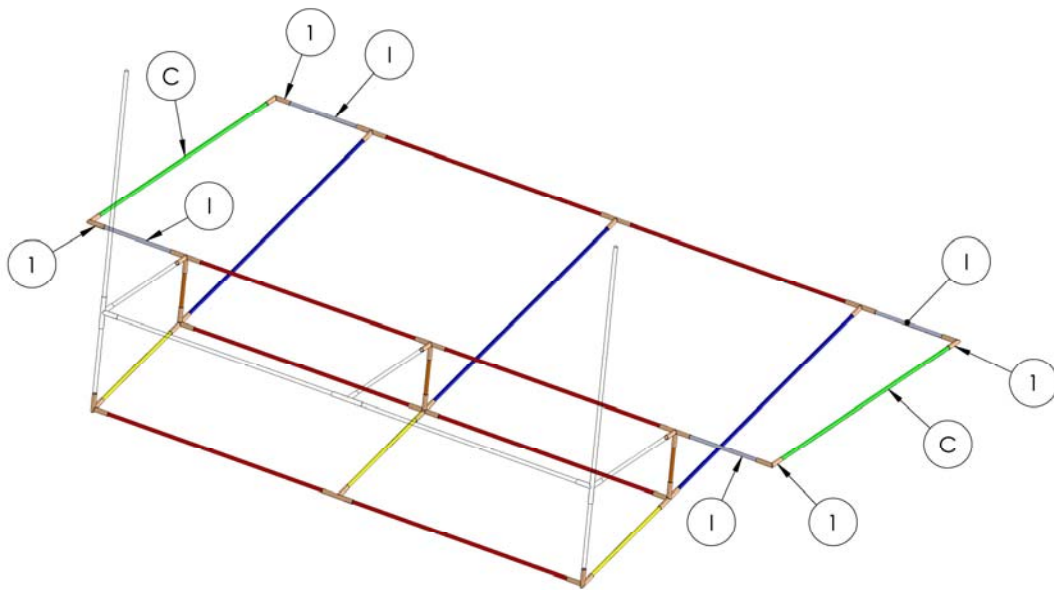
1.



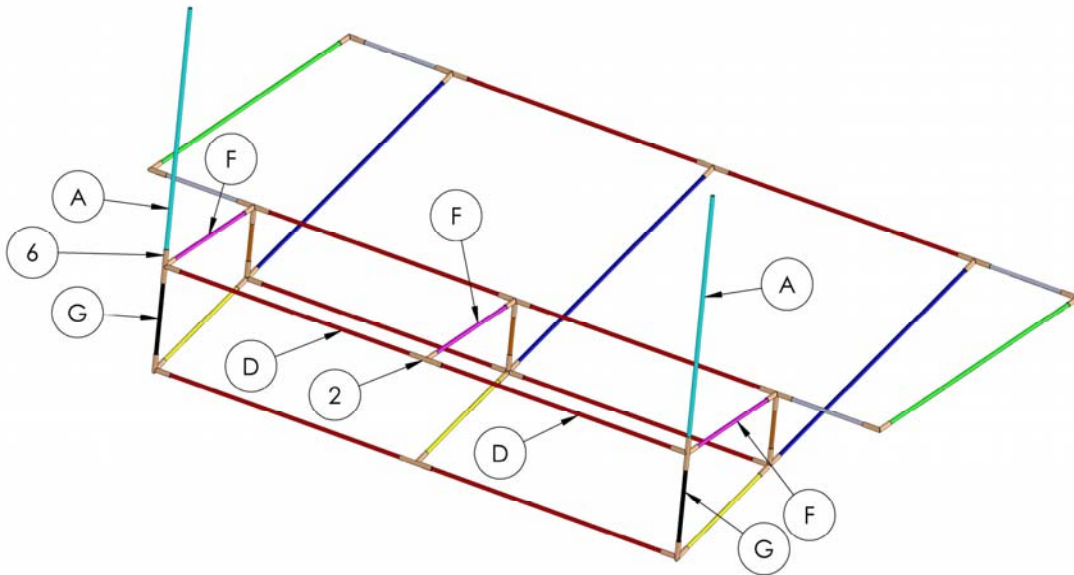
2.



3.



4.



5. Attach the screen to the frame using bungees or lace and tip it upright. Be sure to adequately anchor the frame to the ground or another stationary object to brace against the wind. In situations with no wind, several heavy objects (sand bags, water buckets, etc.) placed over the legs will be sufficient to keep the frame upright. In windy situations it will be necessary to tie guy-wires from the top of the frame to stakes in the ground.

**Enjoy your new screen!**

As always, if you have any questions on assembly, use, or care of your screen (or anything else) don't hesitate to contact us for help.

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