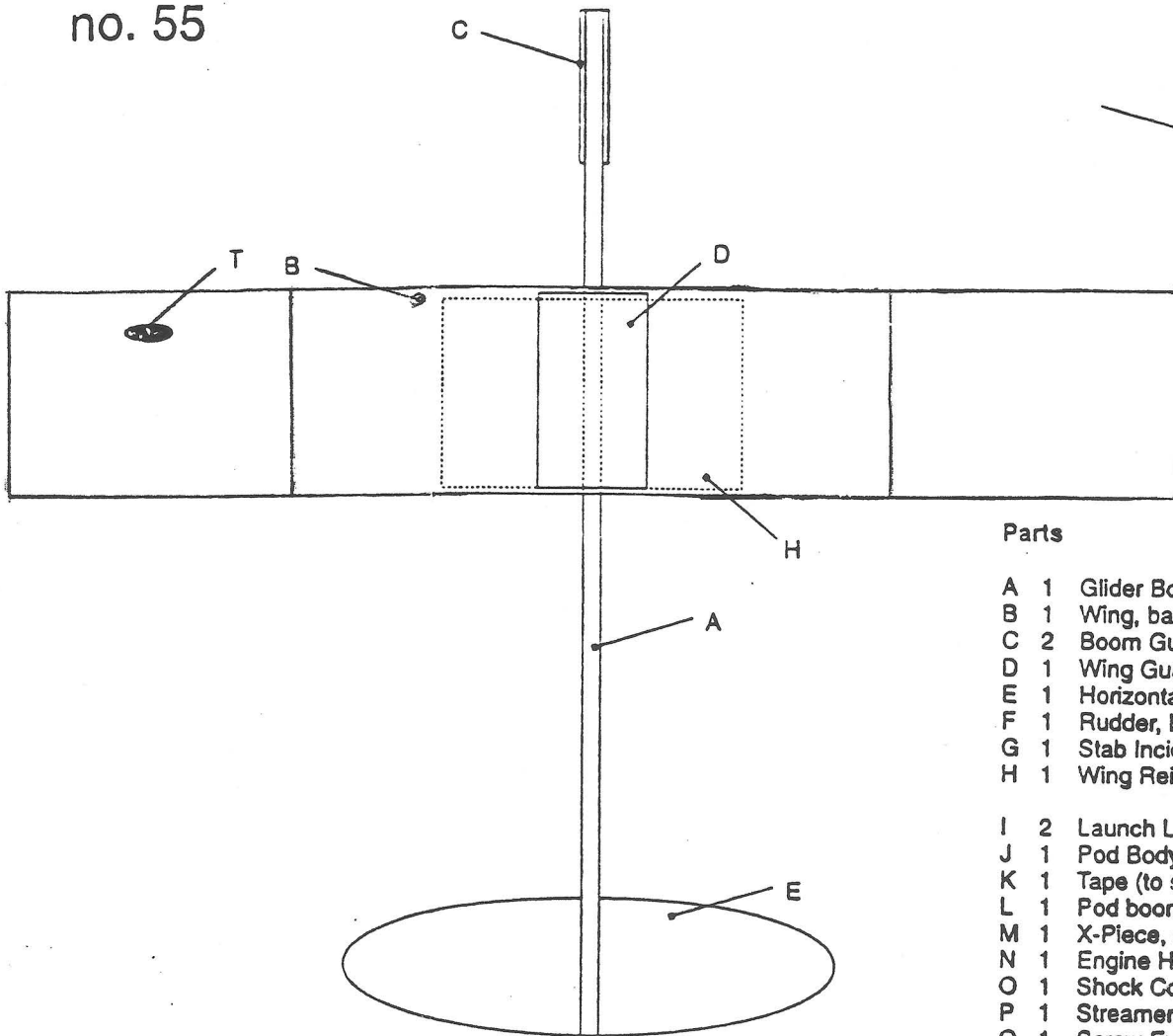




Never Loop IV

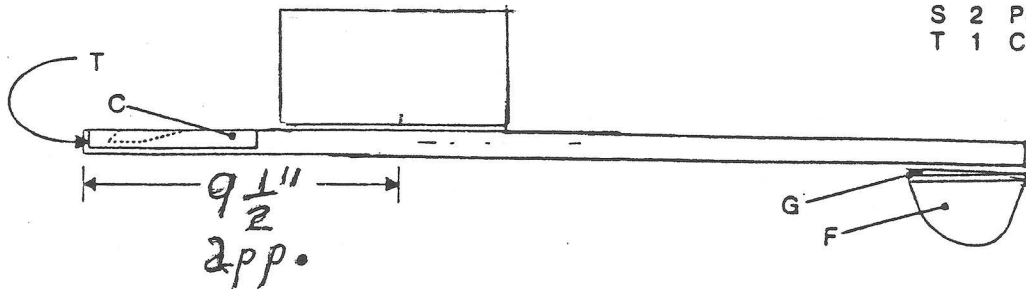
D Boost Glider

no. 55

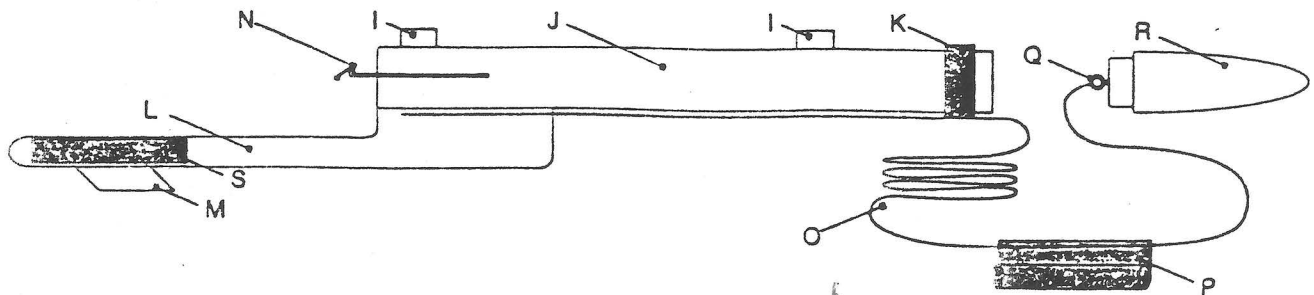


Parts

- A 1 Glider Boom, spruce
- B 1 Wing, balsa
- C 2 Boom Guards, plywood
- D 1 Wing Guard, plastic
- E 1 Horizontal Stabilizer, balsa
- F 1 Rudder, balsa
- G 1 Stab Incidence Shim, plywood
- H 1 Wing Reinforcement, plywood
- I 2 Launch Lug
- J 1 Pod Body Tube
- K 1 Tape (to secure shock cord)
- L 1 Pod boom, spruce
- M 1 X-Piece, spruce (from glider boom)
- N 1 Engine Hook (optional)
- O 1 Shock Cord, squid line
- P 1 Streamer, mylar
- Q 1 Screw Eye or epoxied string loop
- R 1 Nose Cone
- S 2 Pod Boom Guards, plywood
- T 1 Clay, for balance



Recommended Engine
D12-3

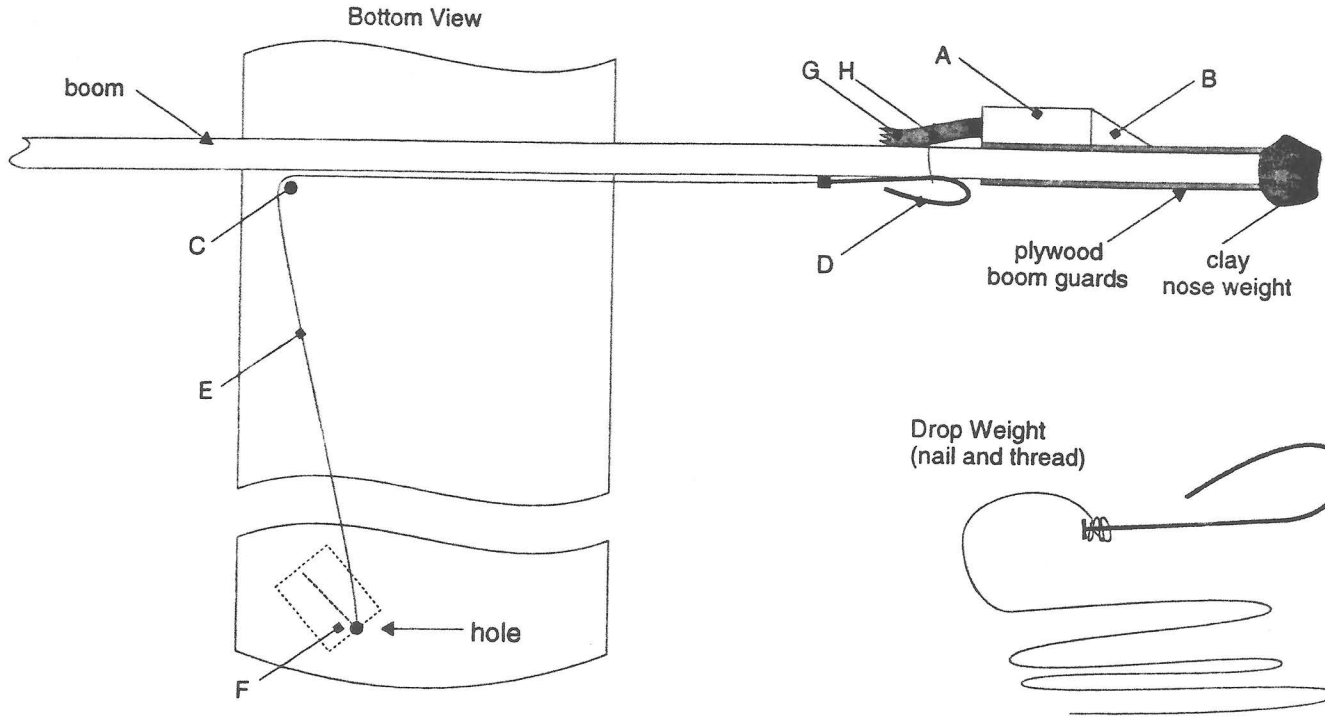


**parachute is a better option.*

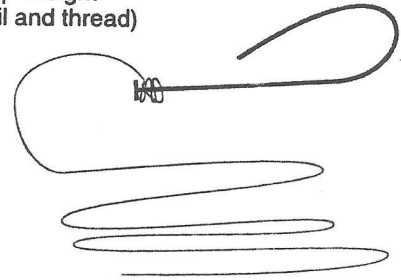


Boost Glider Dethermalizer

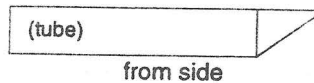
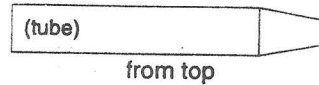
Wing Drop Weight



Drop Weight
(nail and thread)



Nose Cone detail



Notes

- Optional: use the QCR kit (see QCR catalog)
- Epoxy side under the DT fuse to prevent boom from burning.
- V groove the top & bottom of boom to hold the thread or rubber band in place.
- Dethermalizer fuse burns at a rate of 3 minutes per inch.
- Dethermalizer can be used on B, C, or D R/G's.

Parts List

- A 1 Fuse Holder Tube, aluminum
- B 1 Fuse Holder Nose Cone, balsa
- C 1 Pin
- D 1 Nail, bent into "J" shape
- E 1 Thread, tied to nail
- F 1 Tape (on top of wing)
- G 1 Dethermalizer Fuse
- H 1 Thread or Dentist Rubber Band, to hold fuse and nail during flight

Plans by Kenneth Brown
 NAR 29354
 drawn by Rob Powers
 NAR 62387

B / G

Instructions

1. Cut out and sand wings.



BOOST / GLIDER

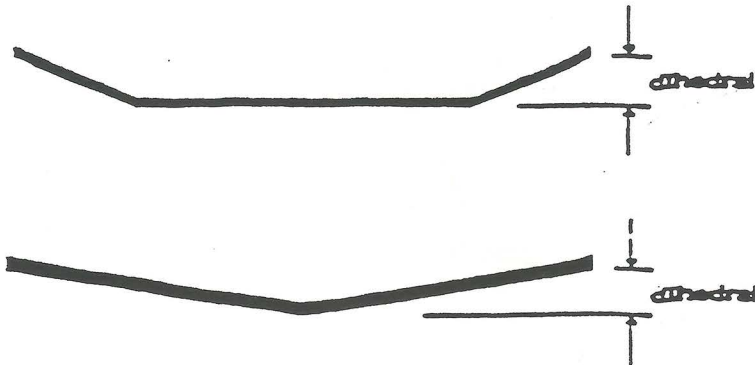
2. Cut out and sand stab.



3. Cut out and sand rudder.



4. Cut wings and glue into appropriate dihedral as shown on plan sheet.



5. Add mylar strip to center of wing on top and bottom (if specified).
6. X-Pieces (do one of the following, depending on kit):
 - (a) Cut out X-slot in boom.

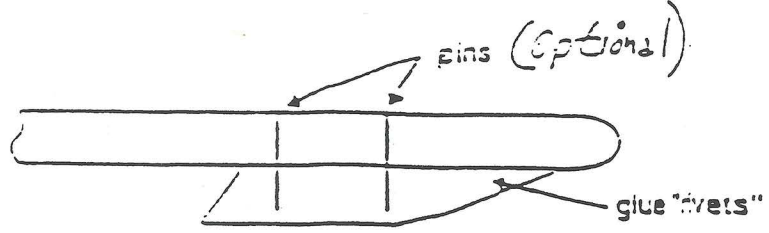


Cut X-piece from material specified and fit into slot. Make sure it slides easily into boom.

Prick holes into top of X-piece and the adjacent area on the pod pylon. Glue the X-piece into place. The glue in the holes forms "rivets" that add strength.

Optional: Drill two holes and add pins. Make sure the pins don't go all the way through the X-piece, since this will make separation of the glider difficult.

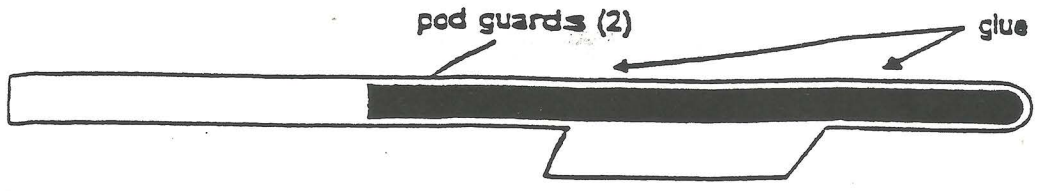
* Micro Maxx
1/32" balsa sand
lightly



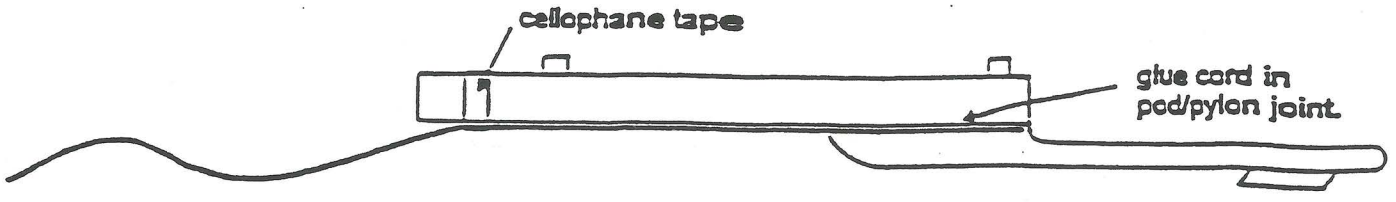
Check the fit of X-piece into boom slot and correct (if necessary) by fine sanding.
CRITICAL: The fit should be free, not snug.

Lubricate by covering the inside and outside of X-Piece and slot using a soft lead pencil.

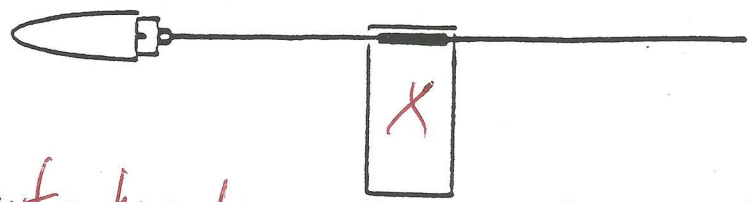
(b) Cut pod and fit X-piece into cut out section. Glue into place, then cover with pod guards.



7. Glue tube to pod and add launch lugs. Then glue shock cord to side of pod in the pod-tube joint. Run shock cord along outside of tube and tape it securely to front of tube using cellophane tape.

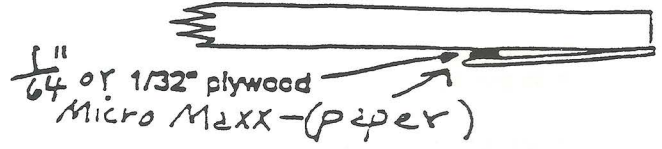


8. Tie nose cone to end of shock cord (glue knot) and scotch tape the streamer (end) in the middle of the cord.



**parachute has less chance of wrapping glider*

9. Glue incidence (plywood) to boom.



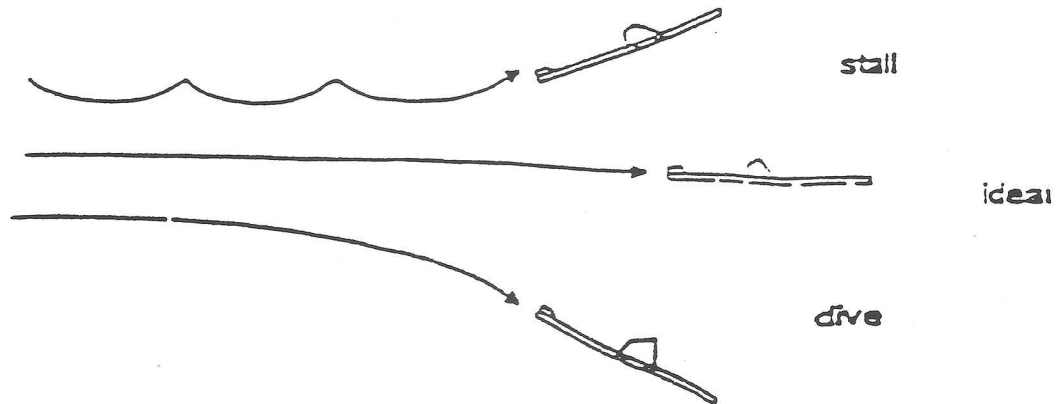
Then glue stab to boom.

10. Glue rudder (fin) to boom or stab (as specified). Also glue optional fin, if desired.

Glide Critical

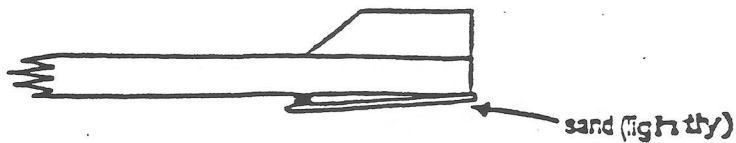
11. Tape wing to boom (at specified distance).

Hand launch into wind.



- (A) If glider *dives*, move wing forward in $1/4^\circ$ segments and keep launching until a stable glide is achieved.

Cutting some boom off the front and sanding more incidence into the stabilizer also corrects the dive.



- (B) If glider *stalls*, move wing back in $1/4^\circ$ segments and re-launch until a stable glide is achieved. Adding clay to the nose also corrects the stall.

12. Glue wing on after stable glide.

13. Add clay or lead to wing tip (if necessary) to obtain a turn which results in a 50-foot circle.

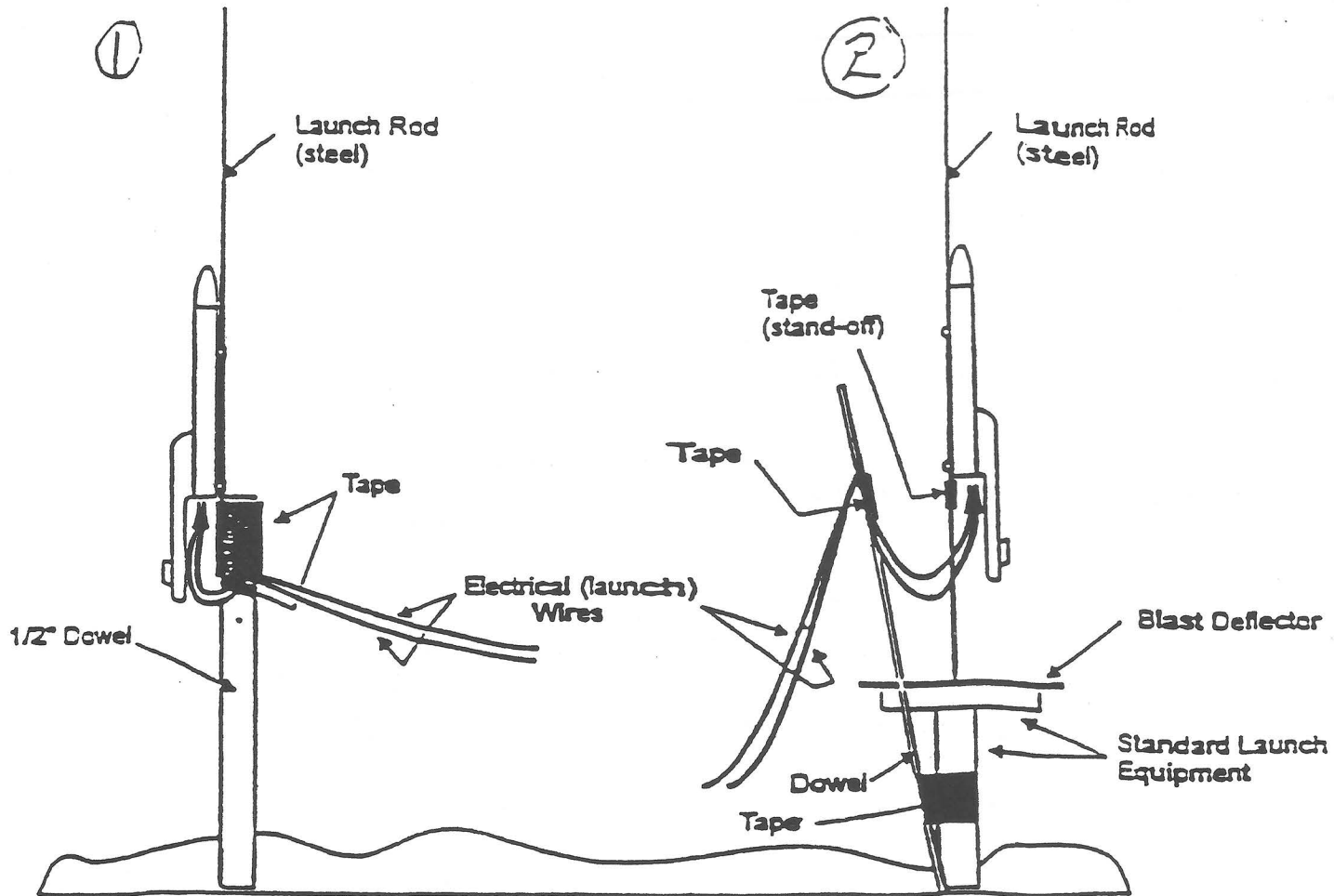
CRITICAL: Reinforce both sides of wing with packaging (fiberglass) tape if using A engine.

Launching

14. Tape launch rod to 1/2" dowel.

Tape launch wires to 1/2" dowel to keep clips from catching wing of glider on lift-off.

If using standard launch equipment, a 3' or 4' by 1/4" or 3/8" dowel is required to offset the launch wires and clips.

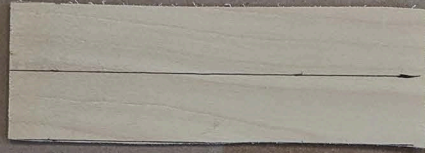


③ Use MicroMaxx (Quest) launcher with 24" X 1/16 dia. piano wire.

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703-451-2808

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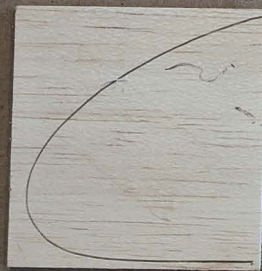
1/4"



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1/4"



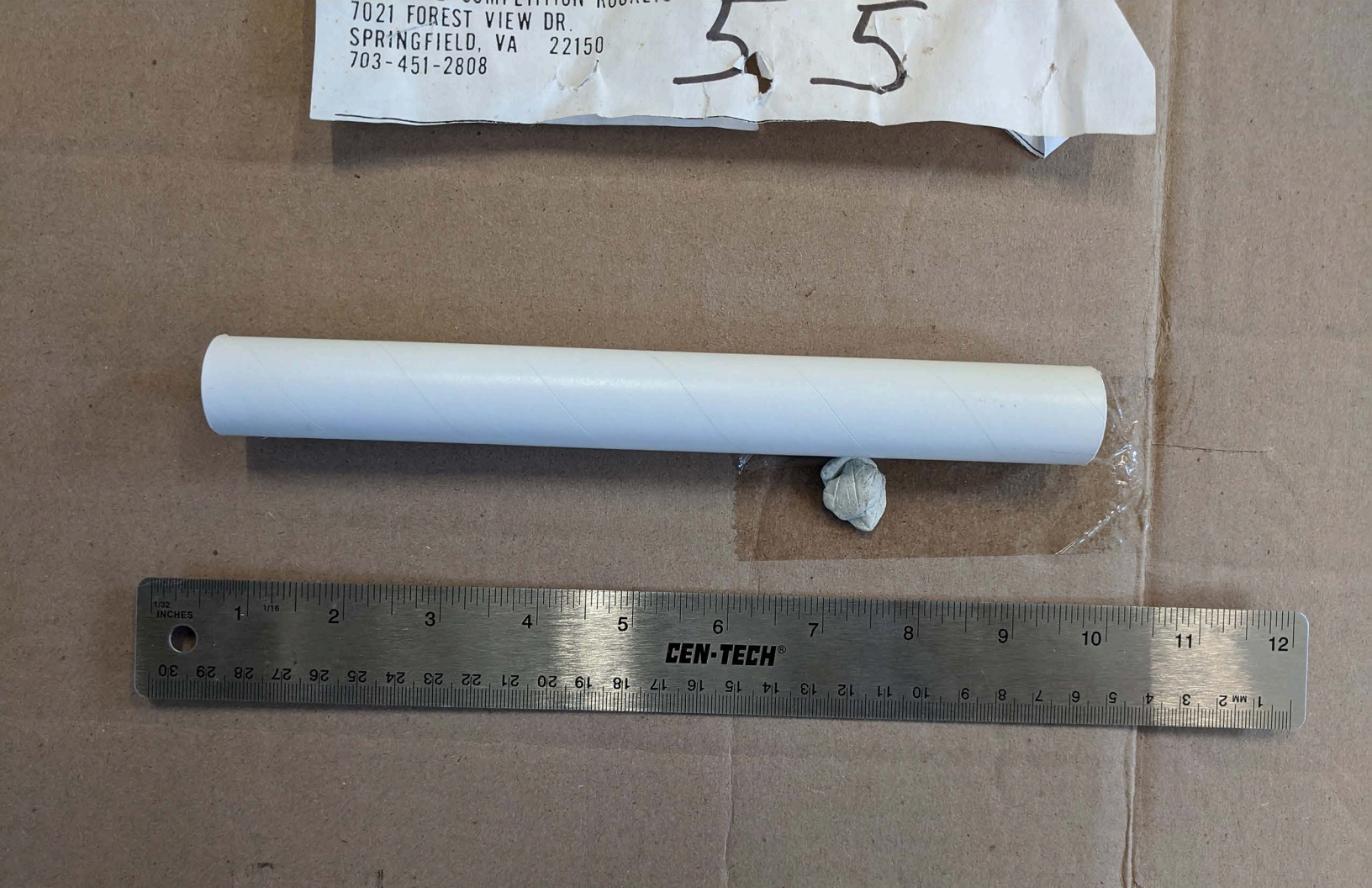
1/8"





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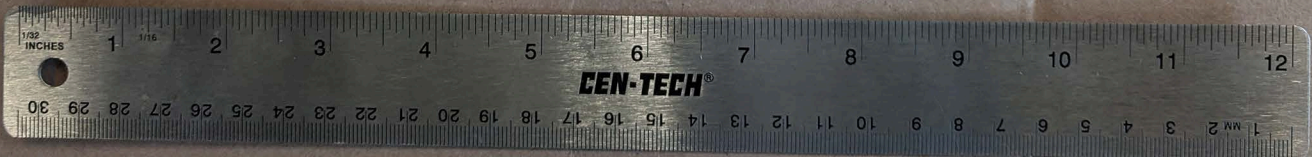
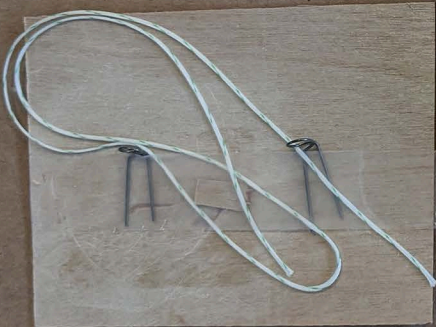
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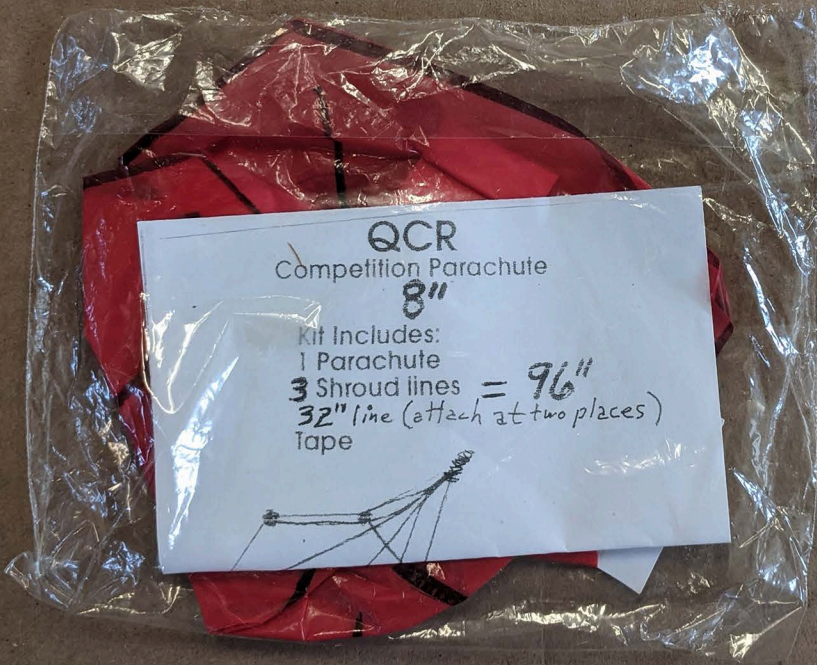
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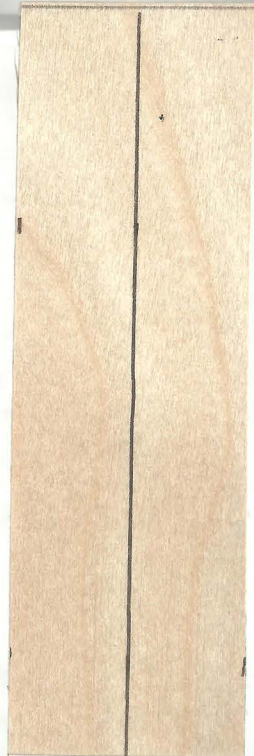
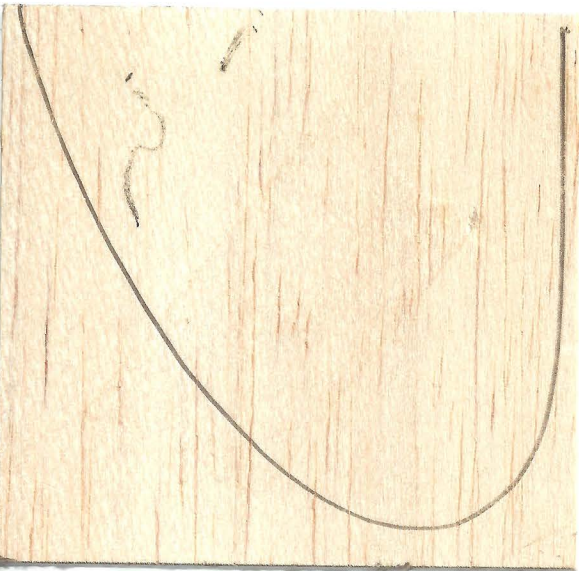
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Customer Pk: 250 ML
MSIGWAND03X001
Date: 03-04-2020
Invoice #: 23-46-1
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Unit #: 1

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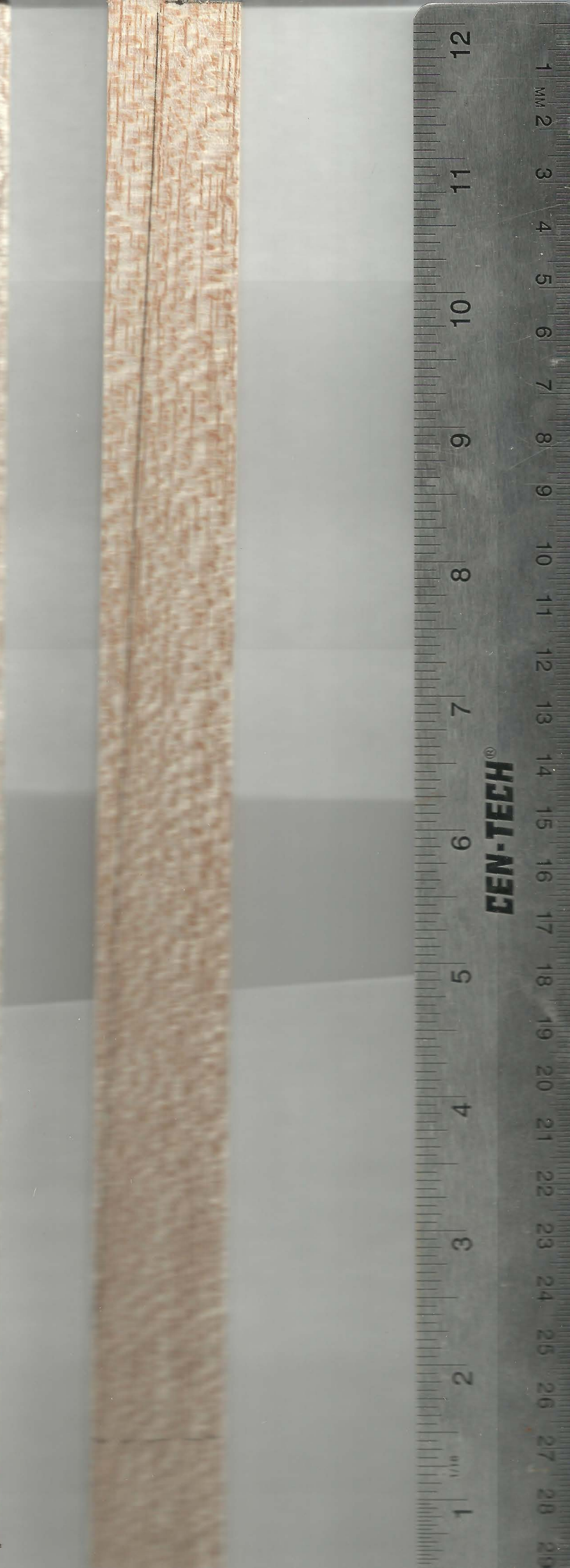
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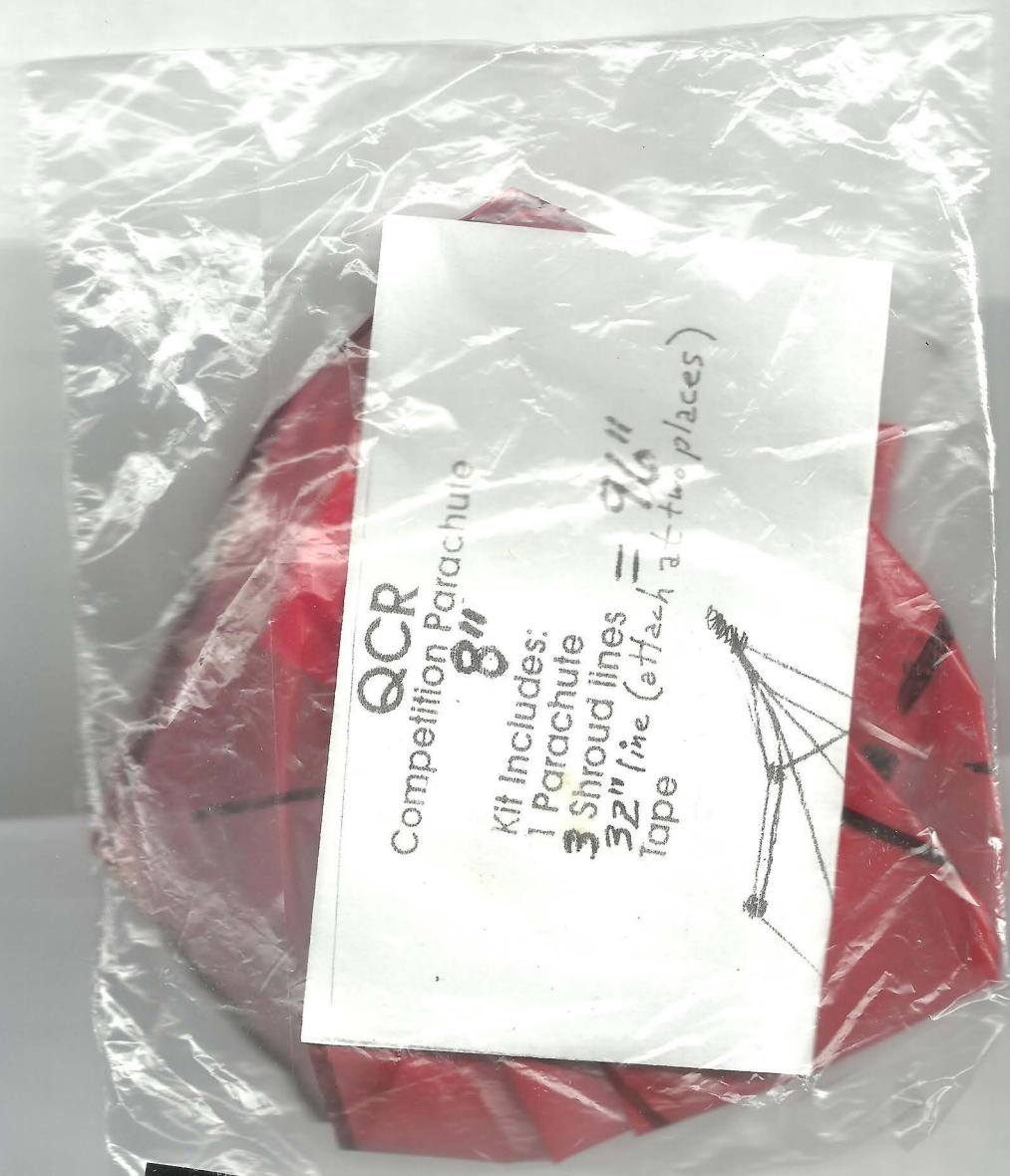
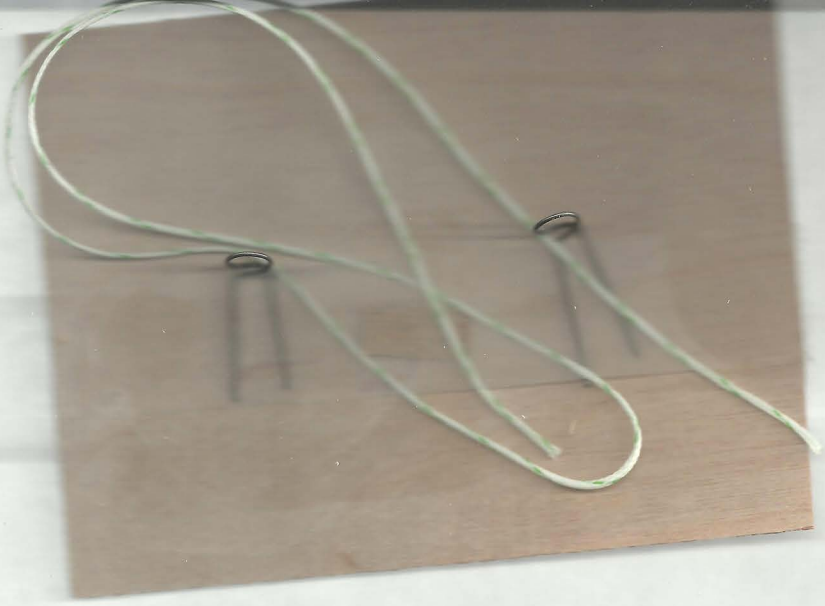








1 2 3 4 5 6 7 8 9 10 11 12
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CEN-TECH®
1 2 3 4 5 6 7 8 9 10 11 12



QCR
 Competition Parachute
 8"

Kit Includes:
 1 Parachute
 3 Shroud lines = 96"
 32" line (attach at 4 places)
 Tape

