

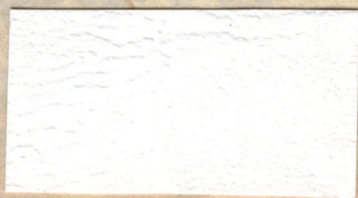
# HOW TO BUILD "Hang Loose"

A "CHANUTE TYPE" GLIDER  
BY JACK LAMBIE

\* ILLUSTRATED BY MARK LAMBIE

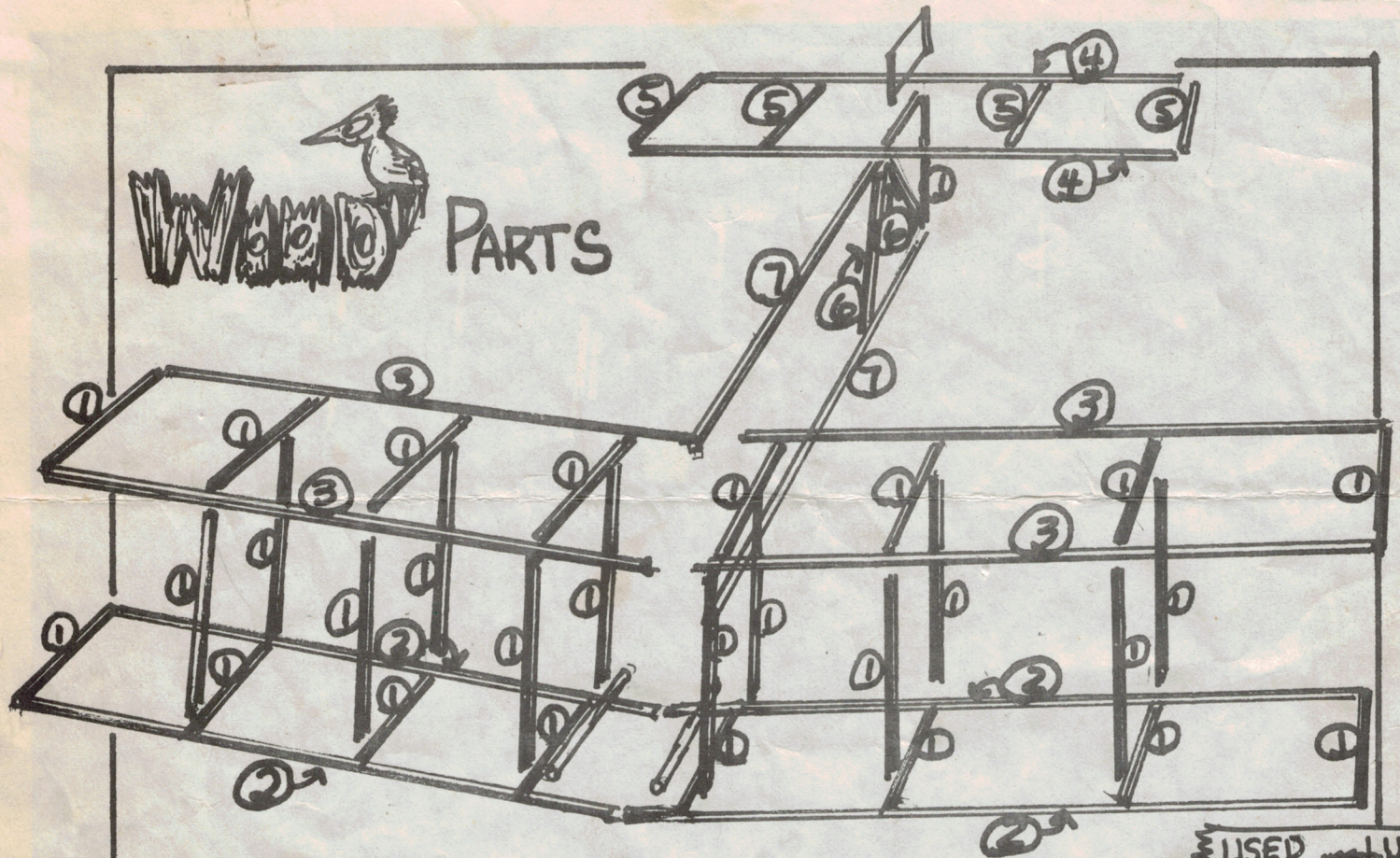
INCLUDES :

- ★ PARTS LIST
- ★ DETAIL DRAWINGS
- ★ FLYING INSTRUCTIONS





# PARTS

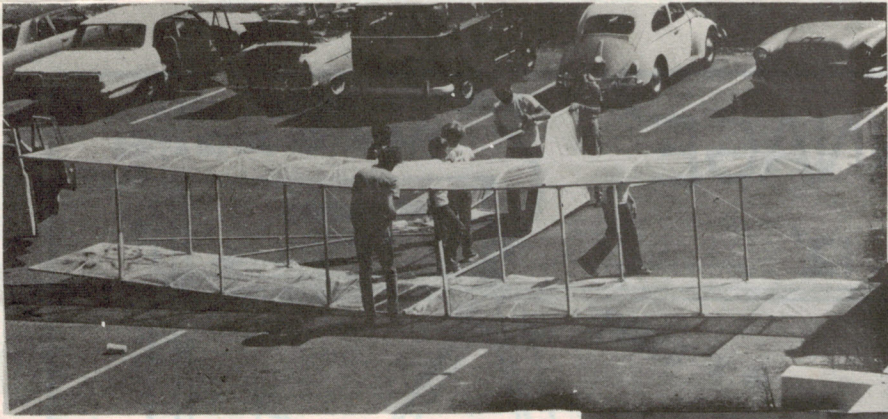


USED LUMBER



GO TO THE USED LUMBER YARD AND PURCHASE SEVEN 14' X 6" STRAIGHT GRAINED PIECES OF YELLOW PINE "DOOR JAMB" WOOD SLICED INTO THE FOLLOWING SIZES... (AIRCRAFT GRADE WOOD MAY BE SUBSTITUTED)

- 28 ea  $3/4" \times 3/4" \times 4'$  UNIVERSAL STRUT UNITS ①
- 4 ea  $3/4" \times 1 1/4" \times 14'$  BOTTOM SPARS ②
- 4 ea  $3/4" \times 1 1/4" \times 13 6/8"$  TOP SPARS ③
- 2 ea  $3/4" \times 3/4" \times 10'$  STABILIZER SPARS ④
- 4 ea  $3/4" \times 3/4" \times 3'$  STABILIZER RIBS ⑤
- 2 ea  $3/4" \times 3/4" \times 4 1/2'$  VERTICAL STABILIZER STRUTS ⑥
- 1 ea  $3/4" \times 1 1/4" \times 12'$  TAIL BOOMS ⑦
- 1 ea  $3/4" \times 1 1/4" \times 12 6/8"$  ⑧



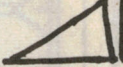



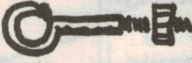




THE EMPEROR

ALL THE STUFF

YOU NEED

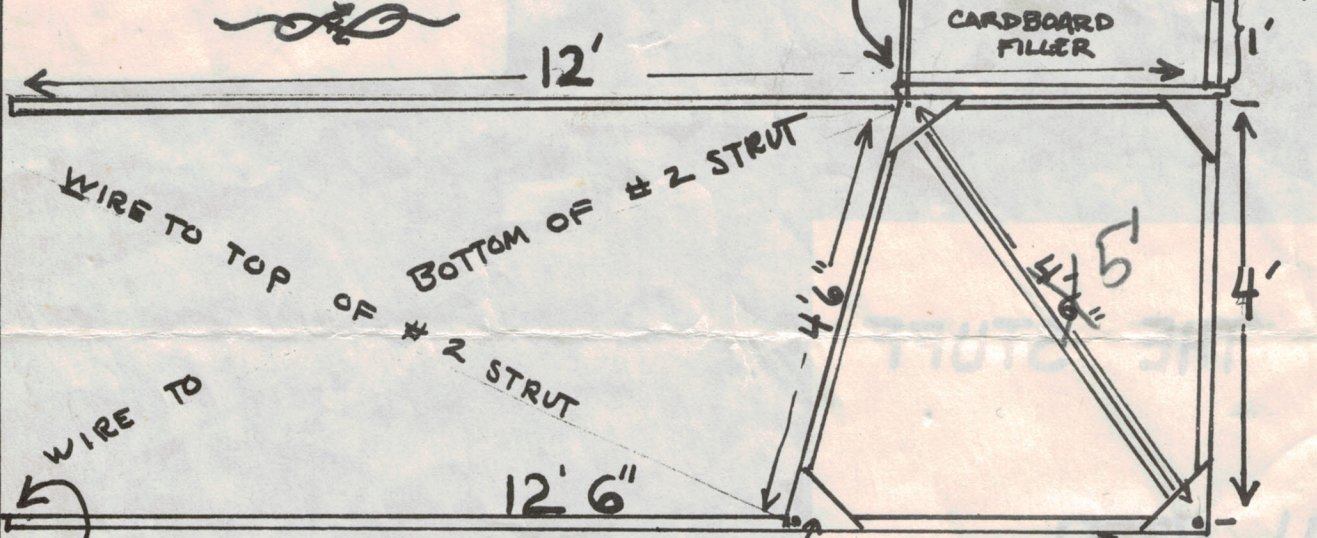


THEN GET 2 15' BAMBOO POLES 2" DIA.  
CUT 2, 4'3" LENGTHS FOR ARMPIT HOLDER  
ALSO CUT THE REST INTO 4'6" CHUNKS  
SPLIT FOUR TIMES INTO 21 RIBS (SEE DETAIL)

- 96 4" TRIANGULAR CARDBOARD GUSSETS 
- 24 POLE HOLDERS  (CLOTHES CLOSET TYPE)
- 25 YARDS 10' WIDE PLASTIC SHEET
- 2 2" x 1" x 1" ALUMINUM ANGLES 
- 66 WOOD SCREWS 
- 21 2" x 3/2 EYEBOLTS 
- 1 PACKAGE COLORED CONSTRUCTION PAPER
- 300' BAILING WIRE 
- 1 BALL HEAVY STRING RIBSTITCHING 
- 1 8oz WHITE GLUE 
- 200 STAPLES
- 1 ROLL 1" MASKING TAPE 

★ PLUS PATIENCE, A FRIEND, HILLS, SUNSHINE,  
COURAGE AND A PLACE TO BUILD IT...

# THE EMPENNAGE



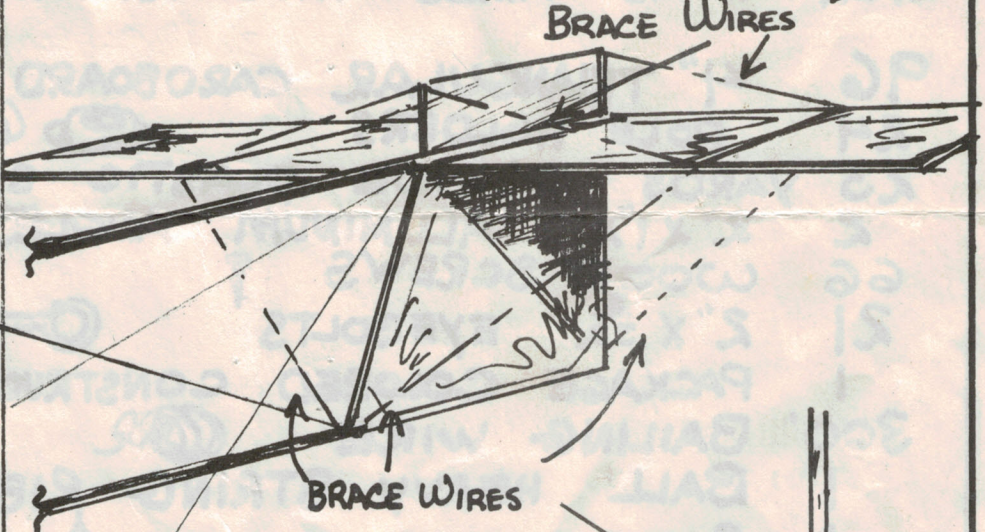
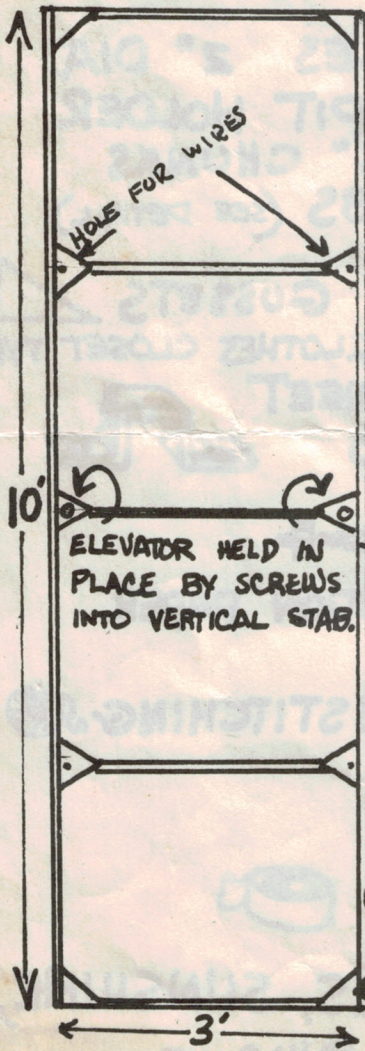
SEE CENTER SECTION  
DETAIL FOR EMPENNAGE/FUSelage ATTACHMENT DETAILS...

GUSSETS

WIRE BRACE HOLES

COVER BOTH SIDES OF VERTICAL STABILIZER WITH PLASTIC SHEET. STAPLE IN PLACE.

COVER ONLY TOP SIDE OF HORIZONTAL STABILIZER WITH PLASTIC SHEET. (SEE BUILDING WINGS)



ATTACHING BRACE WIRES: LEAD WIRE THRU HOLES, BEND BACK AND WRAP. (TURNBUCKLES OPTIONAL-WE DID NOT USE THEM)

