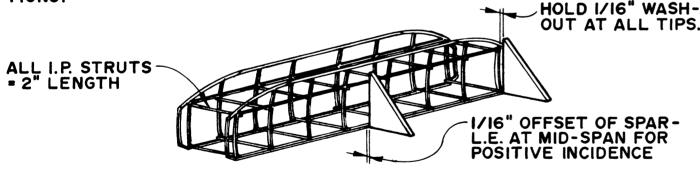


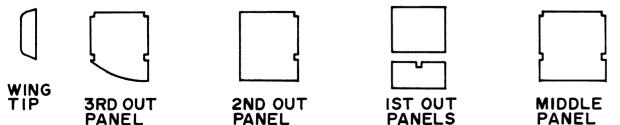
CONSTRUCTION SEQUENCE

I. CONSTRUCT TWO WING PANELS OVER PLAN.

2. ASSEMBLE WING FRAME BY PLACING L.E. OF EACH WING ON A FLAT SUR-FACE SPACED I-7/8" APART ON PARALLEL LINES. MAINTAIN ALIGNMENT SHOWN BELOW WHILE CEMENTING I.P. STRUTS TO RIB - SPAR INTERSEC-TIONS.



3. COVER INSIDE SURFACES OF WING PANELS USING SMALL PIECES OF PRE-STRETCHED AND PRE-DOPED TISSUE BETWEEN EACH PAIR OF RIBS. NOTCH TISSUE FOR INTER-PLANE STRUTS AND PROPELLER STRUTS.



- 4. ADD SILK THREAD RIGGING TO SET DIHEDRAL AND CORRECT ANY MISALIGN-MENT OF WING FRAME.
- 5. COVER UPPER SURFACE OF TOP WING AND LOWER SURFACE OF BOTTOM WING WITH FULL SIZE P.-S. AND P.-D. TISSUE



JOIN SIDES

AT BOTTOM.

ENGINE

BY 1907 THE WRIGHT BROTHERS HAD BUILT SEVERAL IMPROVED ENGINES AND A SERIES OF 7 FINALIZED AIRCRAFT WERE PRODUCED UP TO 1910. BASED UPON THE 1905 FLYER III, THE TYPE A FLYERS SPORTED VERTICAL 30 - 35 H.P. ENGINES, 2 SEATS AND DUAL CONTROLS

THE WRIGHTS RESUMED PUBLIC FLIGHTS IN MAY 1908 AT KITTY HAWK WITH THE FIRST 2 - PASSENGER FLIGHT IN AVIATION HISTORY. WILBUR GAVE HIS FA-FLIGHT IN AVIATION HISTORY. WILBUR GAVE HIS FAMOUS FLYING DEMONSTRATIONS IN FRANCE AND WROTE
IN AUGUST 1908: THE EXCITEMENT AROUSED BY THE
SHORT FLIGHTS I HAVE MADE IS ALMOST BEYOND
COMPREHENSION... INSTEAD OF DOUBTING THAT WE
CAN DO ANYTHING, THEY ARE READY TO BELIEVE THAT
WE CAN DO EVERYTHING."
IN SEPTEMBER, 1908 ORVILLE BEGAN HIS FORT MYER.
ARMY TEST FLIGHTS WITH A SPECIAL SIGNAL CORPS
VERSION OF THE FLYER AND SURVIVED THE FIRST
FATAL CRASH OF POWERED AVIATION.
THE YEAR OF 1909 SAW ORVILLE FULLY RECOVERED
AND FLYING A TYPE A FLYER IN GERMANY WHERE HE
FIRST OBSERVED THE NEED FOR SEAT BELTS IN DOWNDRAFTS. LATER IN THE YEAR WILBUR FLEW A TYPE A

DRAFTS. LATER IN THE YEAR WILBUR FLEW A TYPE A OVER NEW YORK HARBOR BEFORE AN AUDIENCE OF MILLIONS - THE LARGEST EVER ASSEMBLED TO SEE A

MAN FLY. MAN FLY.
BY THE END OF 1909, 10 YEARS AFTER WILBUR WROTE
TO THE SMITHSONIAN INSTITUTE ASKING FOR 'NFORMATION ON AERONAUTICS, THE TYPE A FLYER ACHIEVED
INTERNATIONAL RENOWN FOR THE WRIGHTS GROWING
IN WEALTH AND FAME THEY RETURNED IN 191, TO THEIR
TRUE VOCATION - AVIATION RESEARCH. REFERENCES

GIBBS-SMITH, C.H. Aviation: an historical Survey from its Origins to the End of World War II HER MAJ-ESTY'S STATIONERY OFFICE, LONDON, 1970.

COMBS, HARRY, Kill Devil Hill, Discovering the Secret of the Wright Brothers, BOSTON, 1979.

KELLY, FRED C. The Wright Brothers HARCOURT, BRACE & CO. N.Y. 1943.

WRIGHT FLYER · TYPE A WINGSPAN = 13" LENGTH = 9-1/4" © 1984



NOWLEN AERO DR. BY WU 139 Boardwalk Greenbrae, Ca \$4504 SHT. 2 OF 2

DWG.004P

6,-0

COLOR SCHEME

PROPELLERS: ALU-MINUM PAINT.

PROPELLER STRUTS:

ALL OTHER STRUTS & BRACES: VAR-NISHED WOOD OR ALUMINUM PAINT. SURFACES: WHITE.

4 CYLINDER IN-LINE VERTICAL

WRIGHT

BLACK.