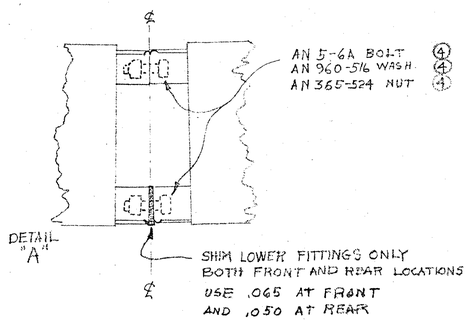
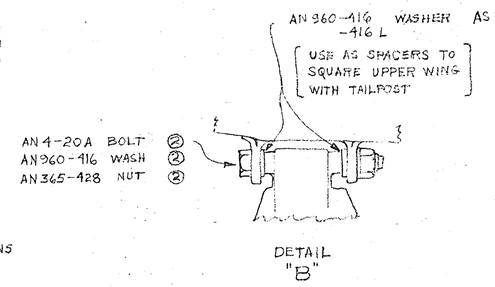
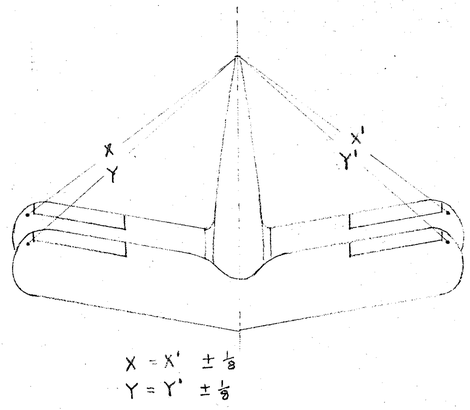
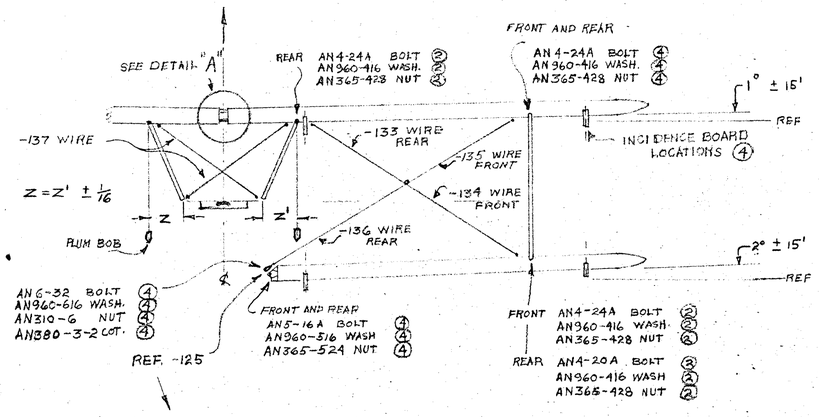
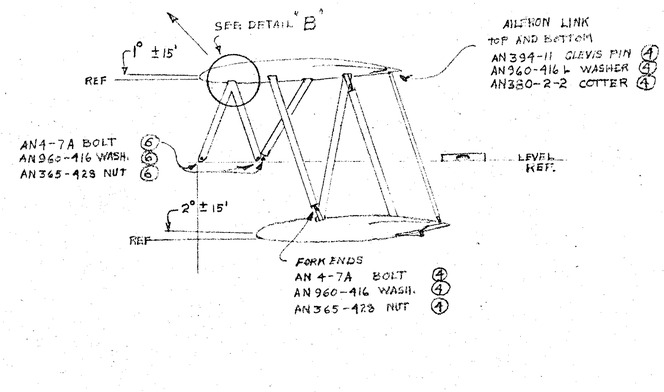
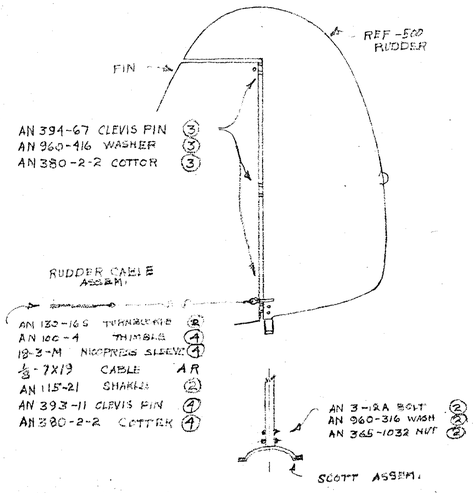


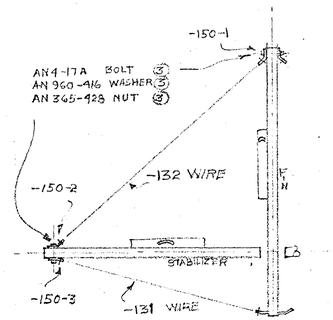


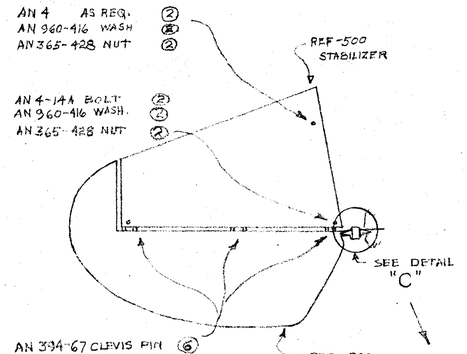


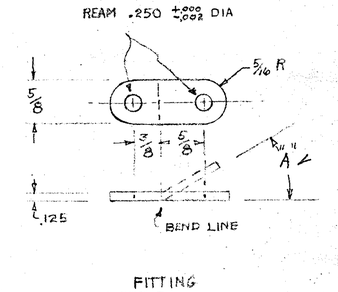








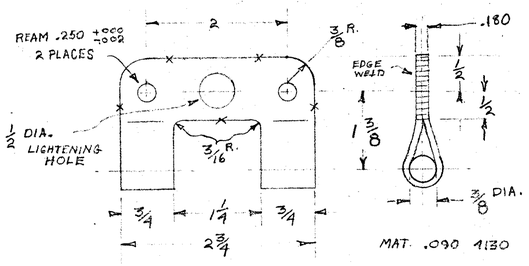




FITTING
WIRE PULL
MAT. = .125 4130 STEEL

DASH NO	NO REQD.	"A" ∠
-150-1	2	48°
-150-2	2	42°
-150-2	2	15°

-125 FITTING
FLYING WIRE
4 REQ



STREAMLINE TIE RODS

DASH NO.	NO. REQ.	AN PART NO.	LENGTH	SIZE	LOCATION
-131	2	AN 674	36 IN	1/4	TAIL - BOTTOM
-132	2	AN 674	48 IN	1/4	TAIL - TOP
-133	4	AN 674	82 1/2 IN	1/4	LANDING - REAR
-134	2	AN 674	86 IN	1/4	LANDING - FRONT
-135	4	AN 674	95 1/2 IN	1/4	FLYING - FRONT
-136	4	AN 674	96 1/2 IN	1/4	FLYING - REAR

THE ABOVE TO INCLUDE AN 665-34 TERMINALS AND CHECK NUTS PLUS CLEVIS PINS AND COTTERS

-137	2	AN 675 -	43 IN	5/16	ROLL WIRE

THE ABOVE TO INCLUDE AN 665-46 TERMINALS AND CHECK NUTS PLUS CLEVIS PINS AND COTTERS

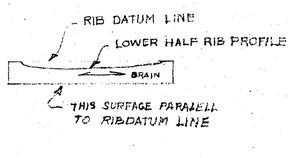
ALL MEASUREMENTS ARE PIN-CENTER TO PIN-CENTER.

RIGGING PROCEDURE

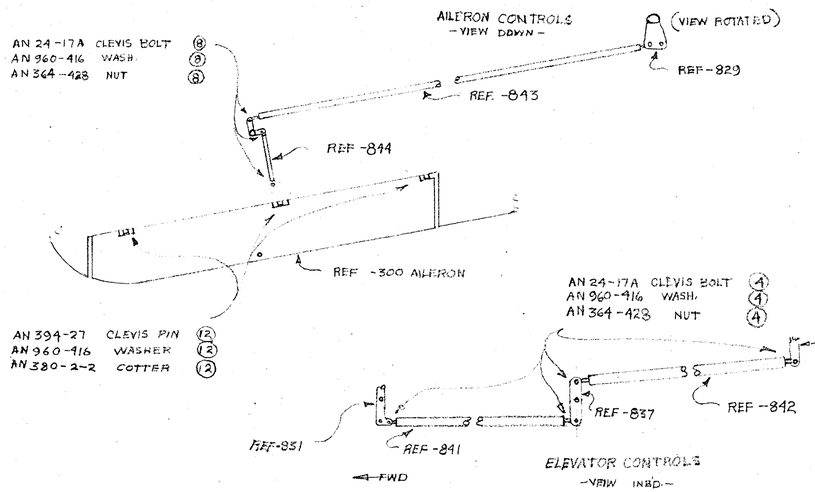
1. LEVEL — LONGERON IN FRONT COCKPIT AND TOP CROSS TUBE AT STA. B
2. INSTAL CABANE STRUTS — ADJ. REAR TO DIM.
3. " ROLL WIRES — EQUALIZE THREADS
4. JOIN UPPERWING OFF AIRPLANE (DETAIL "A")
5. ASSEM WING TO CABANE STRUTS (DETAIL "B")
6. ADJUST ROLL WIRES TO CENTER UPPER WING — USE PLUMB LINES —
7. MEASURE TIPS TO TAILPOST TO EQUALIZE ADJUST WASHERS AS NEEDED (DETAIL "B")
8. CHECK INC. AT INB'D. END BOTH UPPER WINGS
9. INSTALL LOWER WINGS
10. " REAR LANDING WIRES TO DIMS.
11. " INTERPLANE STRUTS - THIS ORDER = ① CENTER ② FRONT ③ REAR
12. CHECK INC. AT OUT'BD. END UPPER AND LOWER
13. " DIHEDRAL ALONG FRONT SPAR " " "
14. INSTALL FLYING WIRES X FRONT LANDING WIRES DRAWN UP SNUG (EQUAL)
15. RECHECK ALL ANGLES AND MEASUREMENTS.
16. TENSION ALL WIRES TO EQUAL DEEP TONE
17. ALIGN WITH AIRFLOW AND SNUG ALL CHECK NUTS
18. CHECK ALL SAFETY HOLES IN TIE ROD ENDS

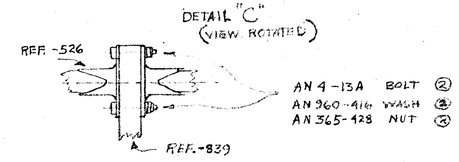
NOTE =

1. INITIAL RIGGING IS WITH NO WASH IN OR "WASH OUT" IF WING HEAVY COND. IS NOTED AT TEST FLIGHT - CORRECT ONLY AT REAR STRUTS ON LOWER WINGS.
2. INSTALL ALL WIRES WITH R/H THREADS AT LOWER ENDS.



INCIDENCE BOARD
MIN. 2 REQ.
1/2 PLYWOOD
4" X 48"





MARQUART MA-5 "Charger"			ED MARQUART P.O. BOX 3032 RIVERSIDE CAL. 92519
		61	
DRN.	[illegible]	70	RIGGING AND ASSEMBLY
CHK.	[illegible]	76	
REV.	[illegible]	76	
TR.	[illegible]	78	
PRINT SER. NO. 0236		SCALE = NONE	SHEET 22 OF