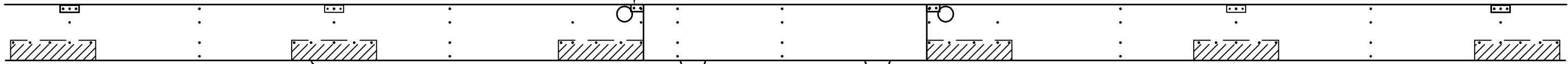


CAUTIONARY NOTE:

WHEN SETTING THE FLAPS TO NEUTRAL (OR FULL UP) POSITION, THE FLAP SHOULD REST *AGAINST* THE STOP AND NOT PUSHING AGAINST IT. FAILING TO DO SO CAN RESULT IN DAMAGING THE FLAP SPAR. THIS IS ESPECIALLY IMPORTANT TO ELECTRIC FLAP BUILDERS.

AFTER DROOPING THE TRAILING EDGE, INSTALL THE FLAP STOPS. STOPS WILL NEED TO BE EITHER SANDED DOWN OR SHIMMED WITH SCRAP ALUMINUM TO FIT CORRECTLY. DRILL 3 #30 (.1285 DIA.) COUNTERSUNK HOLES THROUGH STOPS AND DRILL OUT TOP RIVET IN AFT SPAR WHERE EACH STOP WILL GO. CLECO THROUGH THE CENTER HOLE AND USE STOP AS A GUIDE TO DRILL 2 MORE #30 HOLES IN SPAR. RIVET WITH SD48BS RIVETS.

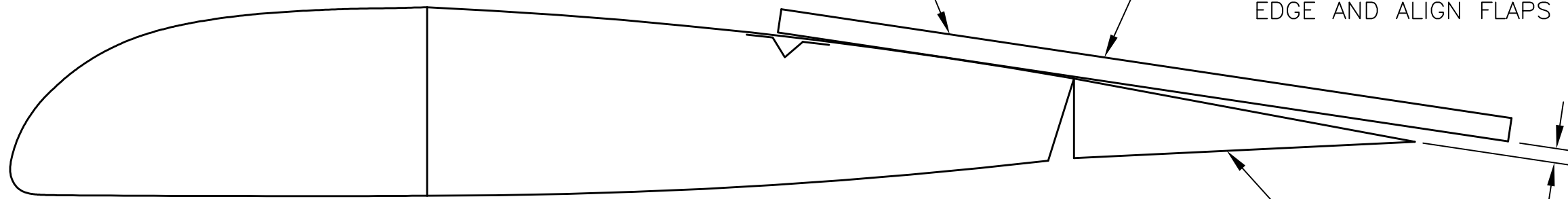


AFT SPAR VIEW

THERE ARE 3 HINGE LOCATIONS PER SIDE ON THE 23 1/2' WING(SHOWN), 2 PER SIDE ON THE 20' WING AND 4 PER SIDE ON THE 26' WING.

STRAIGHT EDGE

TO ENHANCE LOW SPEED PERFORMANCE THE TRAILING EDGE OF THE WING CAN BE DROOPED. TO DO THIS, TAKE A STRAIGHT EDGE AND STARTING AT THE HAT SECTION, LAY THE STRAIGHT EDGE FLAT ON THE WING AND ADJUST THE AILERONS SO THAT THE TRAILING EDGE SITS 1/2" DOWN FROM THE STRAIGHT EDGE AND ALIGN FLAPS TO MATCH.



LEFT SIDE WING VIEW

AILERON

1/2"

SEE DWG B92-INS-0265 FOR WING TIP INSTALLATION

NOTE:

WHEN APPLYING THE STRAIGHT EDGE TO MEASURE THE DROOP, IT SHOULD BE CHECKED AT THE SAME DISTANCE FROM CENTER ON EACH SIDE OF THE WING TO INSURE SYMMETRY. THIS IS USUALLY DONE AT THE AILERON/FLAP GAP POINT.

TITAN AIRCRAFT SUPPLY
 1419 STATE ROUTE 45 SOUTH
 AUSTINBURG, OHIO 44010

DETAIL NAME AILERON AND FLAP DROOPING & FINISHING

DRAWN K. BOHRER	DATE 8/26/97	SCALE N/A	PART NO.
CHECKED R. INGLE	DATE 11/20/00	ASSEMBLY NAME ALL TORNADO WINGS	
APPROVED J. WILLIAMS	DATE 2/21/01	PART NO.	DRAWING NO.
		DRAWING NO. B 97-INS-0904-B	

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