

# CAPP 130-2

4 October 2021



## Aircraft Management



NATIONAL HEADQUARTERS CIVIL AIR PATROL  
Maxwell Air Force Base, Alabama

Supersedes: N/A, original release  
Distribution: National CAP website

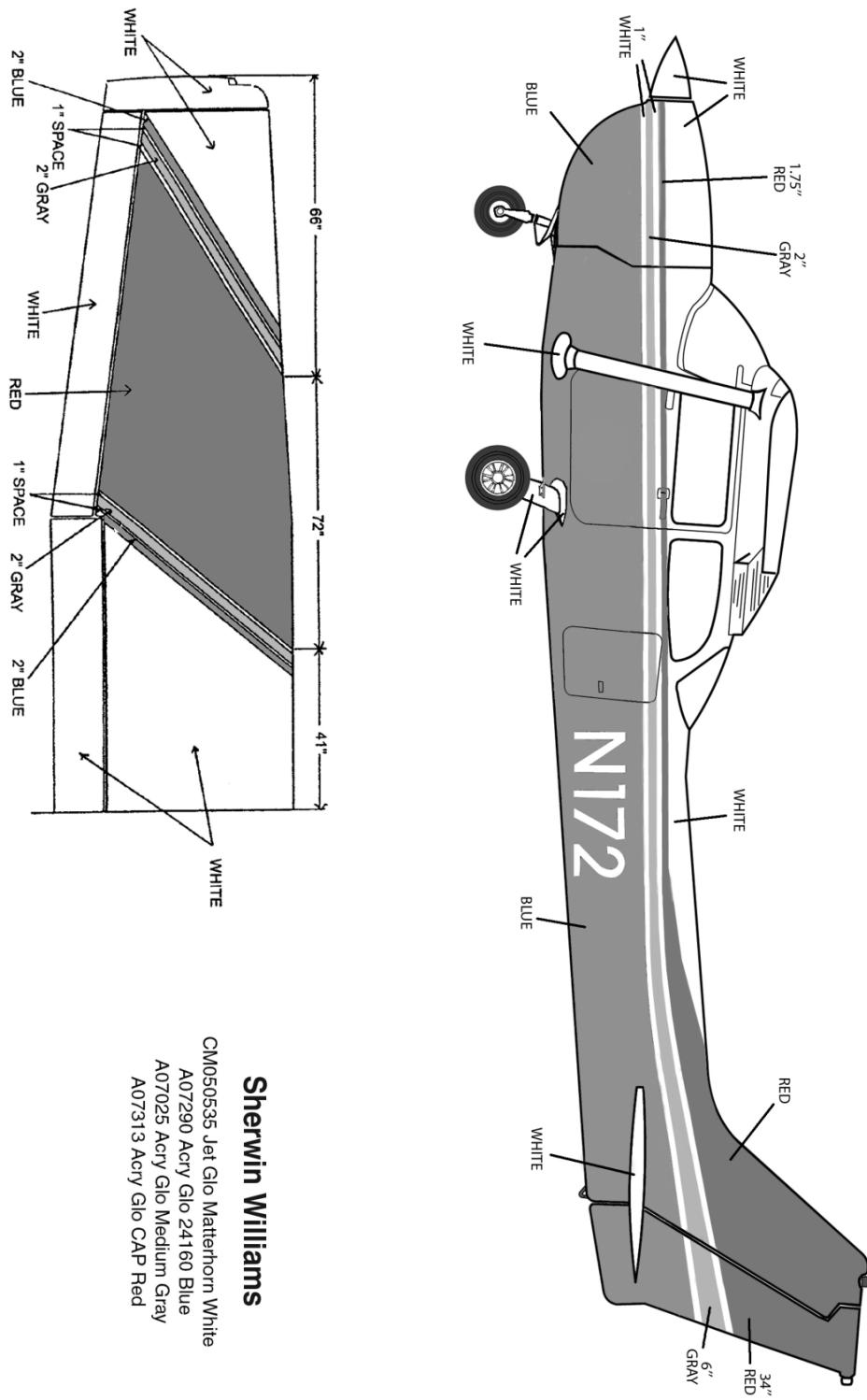
OPR: CAP/LGM

## **PREVENTIVE MAINTENANCE PERMITTED BY CAP PILOTS AND UNINSURED MECHANICS**

All preventive maintenance must be recorded in the aircraft and/or engine logbook showing the service/work performed, date it was performed and name and certificate number of the person performing the task whether it be a pilot or mechanic.

1. Replacing defective cotter pins only. A licensed and insured FAA mechanic must perform any maintenance operation requiring replacement of safety wire.
2. Lubrication not requiring removal of items such as cover plates, cowling and fairings.
3. Replenishing hydraulic fluid in hydraulic reservoirs.
4. Repairing upholstery and decorative furnishings of the cabin or cockpit interior when such repair does not require disassembly of any operating system and does not interfere with an operating system or affect the primary structure of the aircraft.
5. Replacement of bulbs, reflectors and lenses of position or landing lights when removing the cowling is not required.
6. Servicing aircraft batteries when opening the cowling is not required.
7. Replacement/adjustment of nonstructural standard fasteners incidental to operations.
8. Tire inflation.

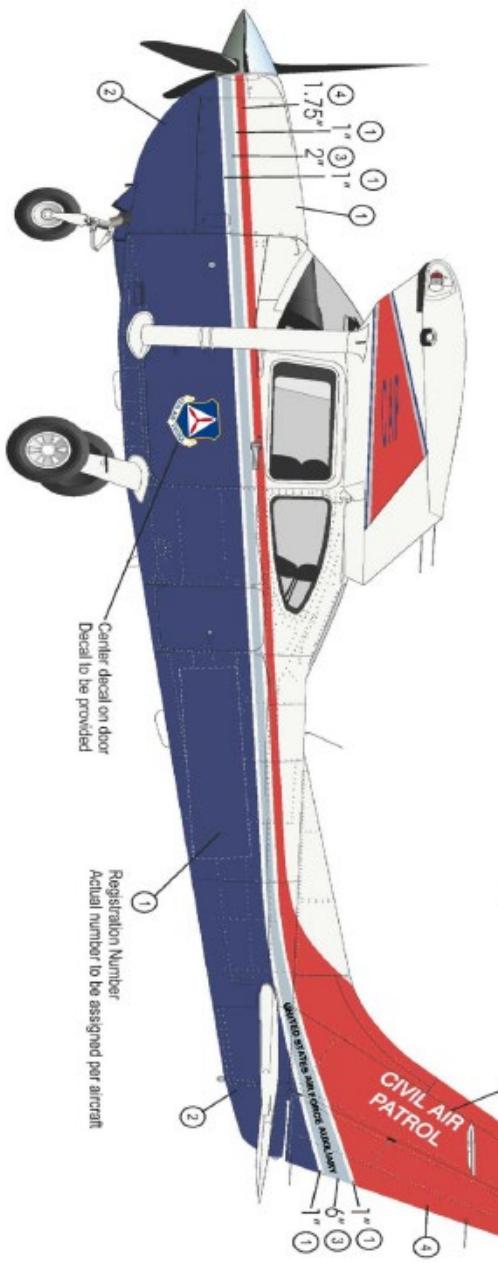
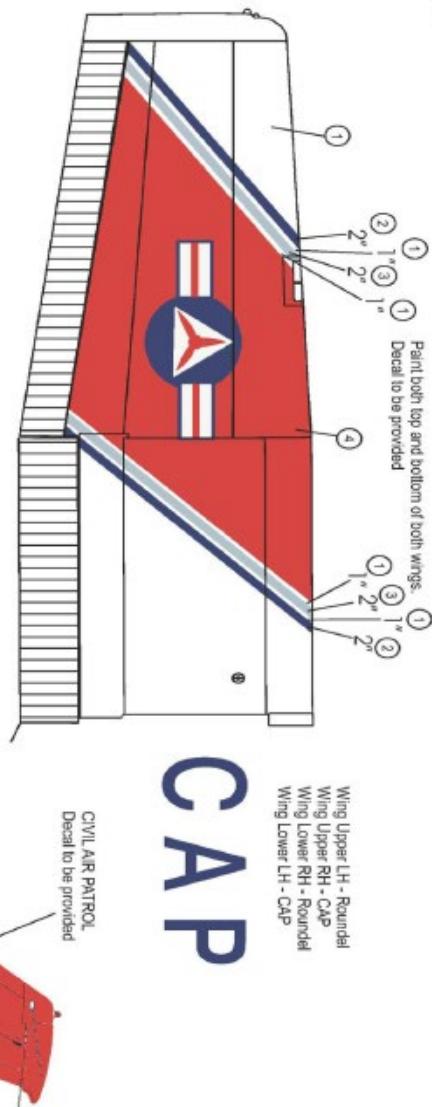
## CAP AIRCRAFT PAINTING AND MARKING



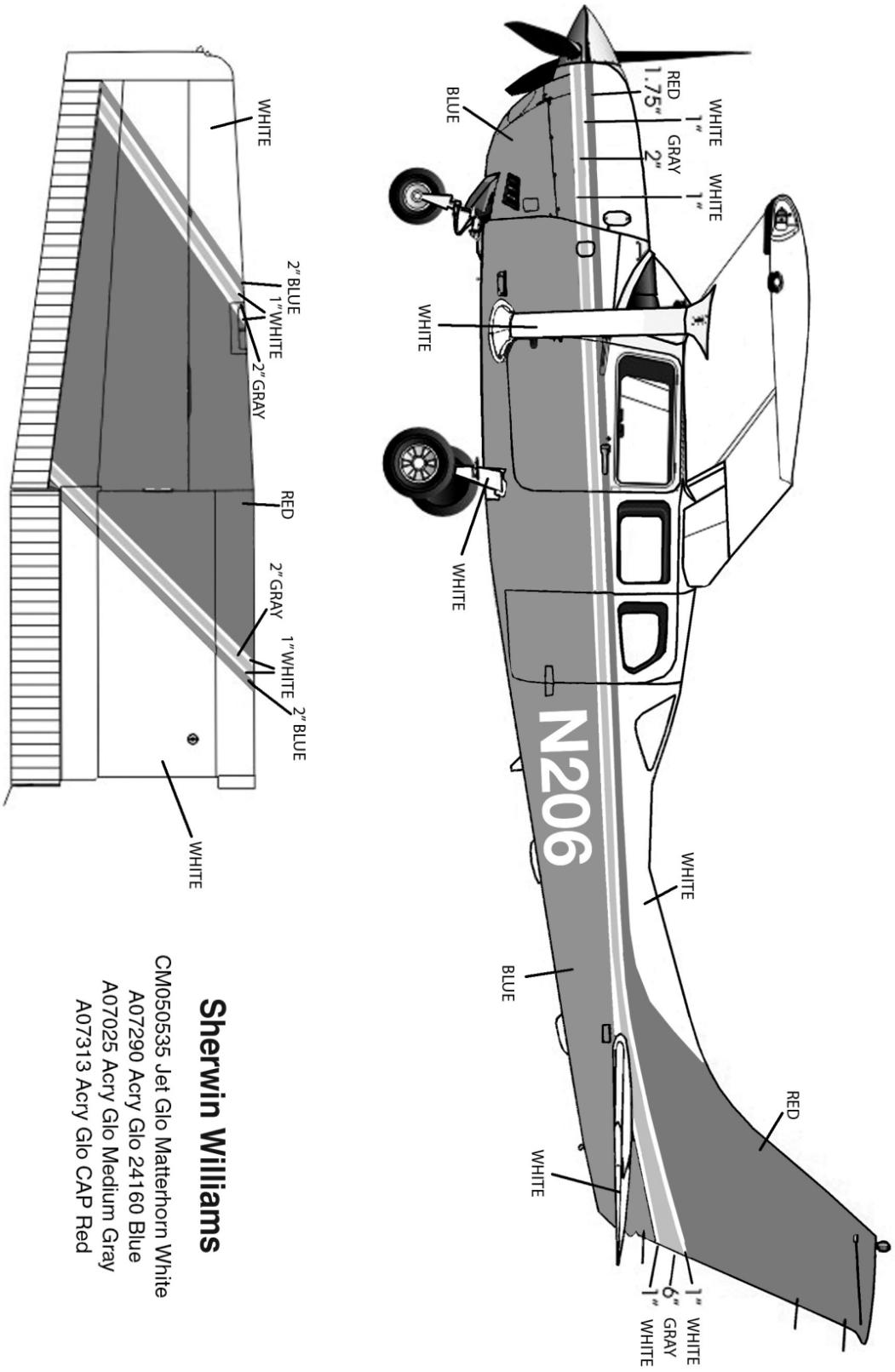
## NOTES

### ALL DECALS PROVIDED BY CAP

### LINE DRAWING: A



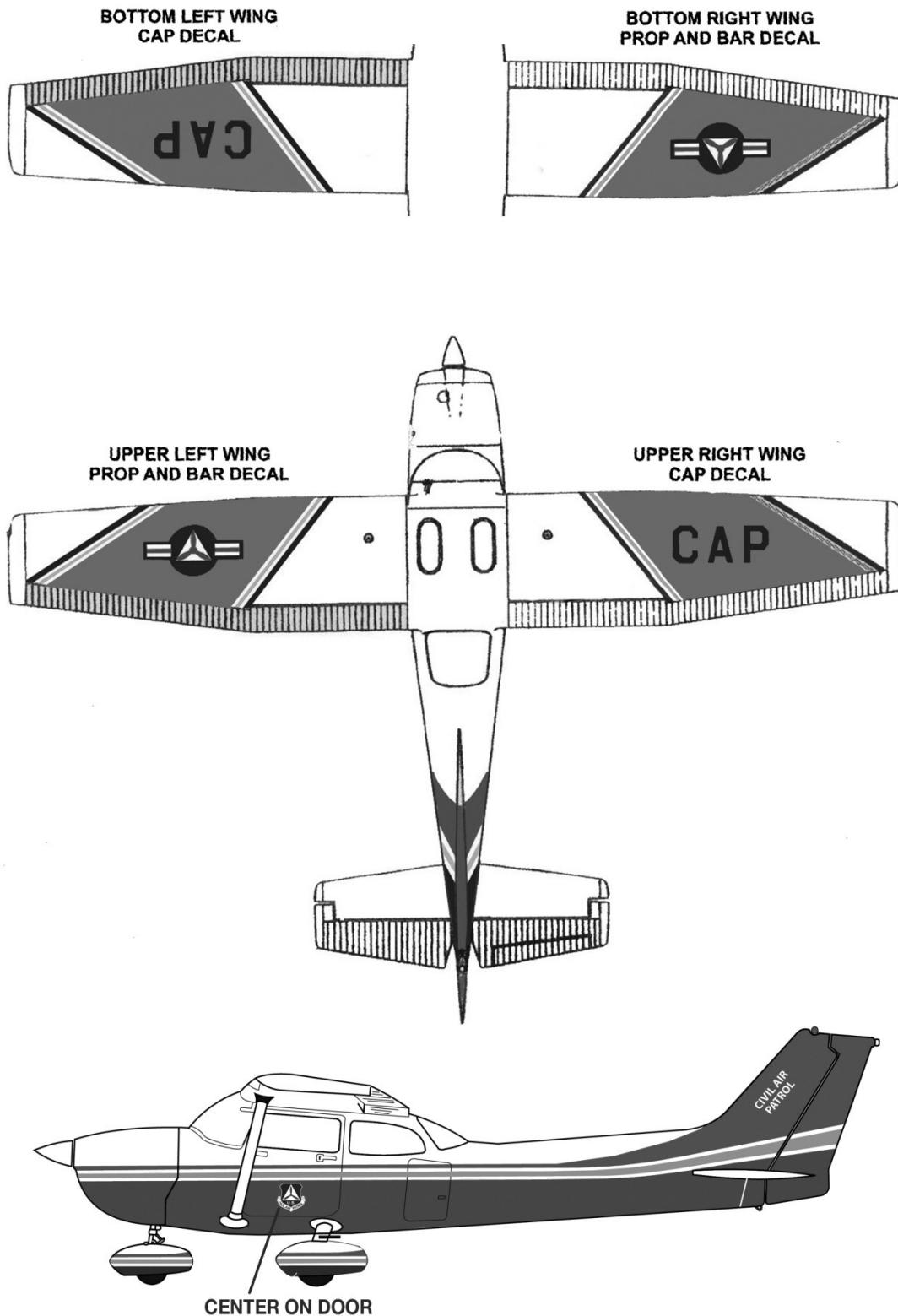
REGISTRATION NUMBER	SKYLANE	CAP	DATE: 2/16/2011
PAINT COLORS	CODE	DESIGNER: R K	
(1) <input type="checkbox"/> Matterhorn White	AF3102		
(2) <input checked="" type="checkbox"/> Blue	753046		
(3) <input type="checkbox"/> Gray	753048		
LAYOUT			



## Sherwin Williams

CM050535 Jet Glo Matterhorn White  
A07290 Acry Glo 24160 Blue  
A07025 Acry Glo Medium Gray  
A07313 Acry Glo CAP Red

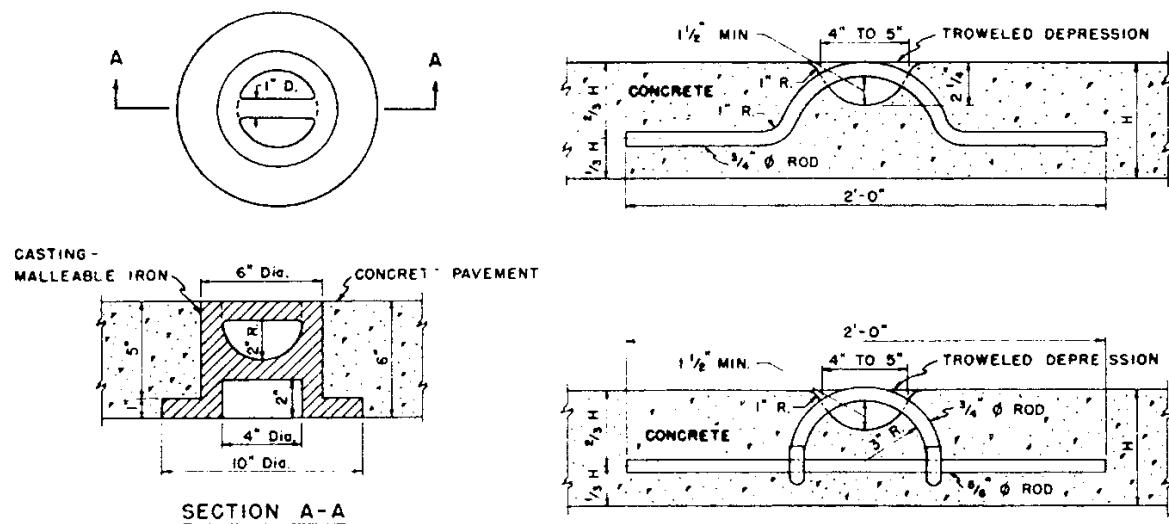
# Decal Placement



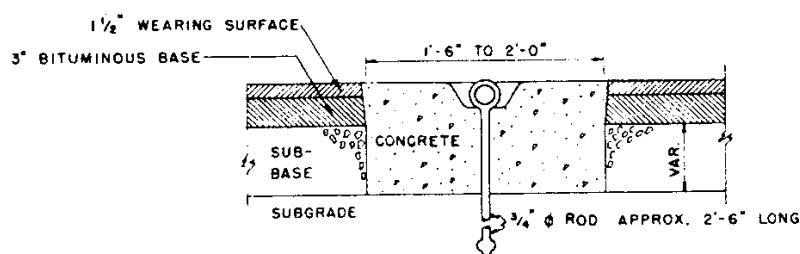


## CAP AIRCRAFT TIEDOWN

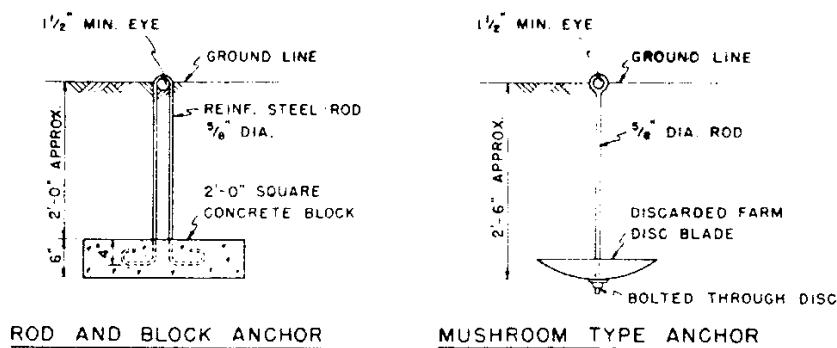
### AIRCRAFT TIE-DOWN ANCHORS FOR CONCRETE PAVED AREAS



### AIRCRAFT TIE-DOWN ANCHOR FOR BITUMINOUS PAVED AREAS

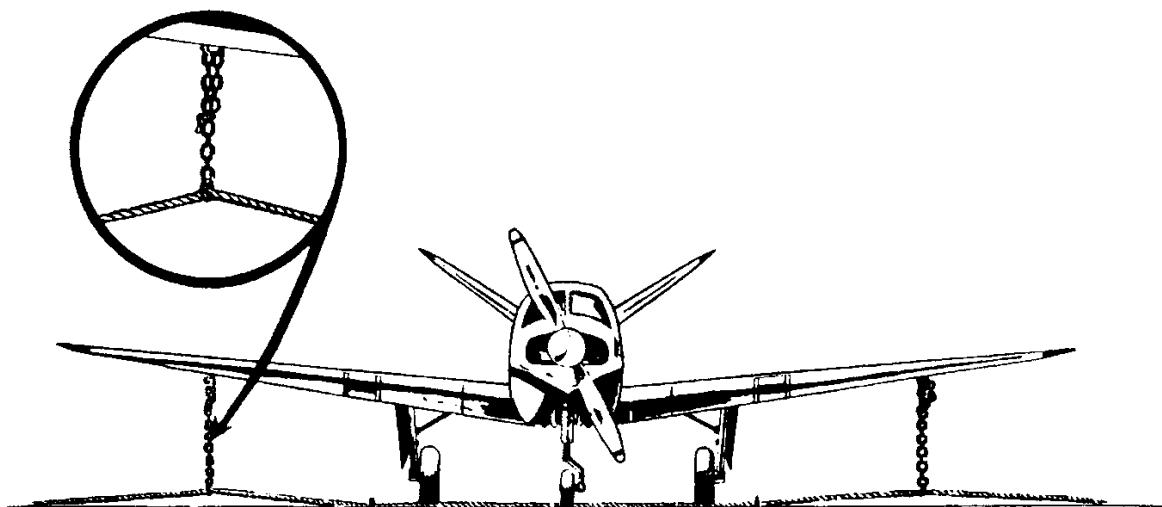


### AIRCRAFT TIE-DOWN ANCHORS FOR TURFED AREAS



## COMPARISON OF TIE-DOWN ROPES

Size in Inches	Manila	Nylon	Dacron		Yellow Polypropylene	
	Minimum Tensile Strength	Minimum Tensile Strength	(Twist) Minimum Tensile Strength	(Braid) Minimum Tensile Strength	(Twist) Minimum Tensile Strength	(Braid) Minimum Tensile Strength
3/16	-	960	850	730	800	600
1/4	600	1500	1440	980	1300	1100
5/16	1000	2400	2220	1650	1900	1375
3/8	1350	3400	3120	2300	2750	2025
7/16	1750	4800	4500	2900	-	-
1/2	2650	6200	5500	3800	4200	3800
5/8	4400	10,000	-	-	-	-
3/4	5400	-	-	-	-	-
1	9000	-	-	-	-	-



The diagram shows a vertical anchor using straight link coil chain for connection between the wire rope and aircraft wing. One link on the free end is then passed through a link of the taut portion and a safety snap is used to keep the link from passing back through. Any load on the chain is borne by the chain itself instead of the snap.