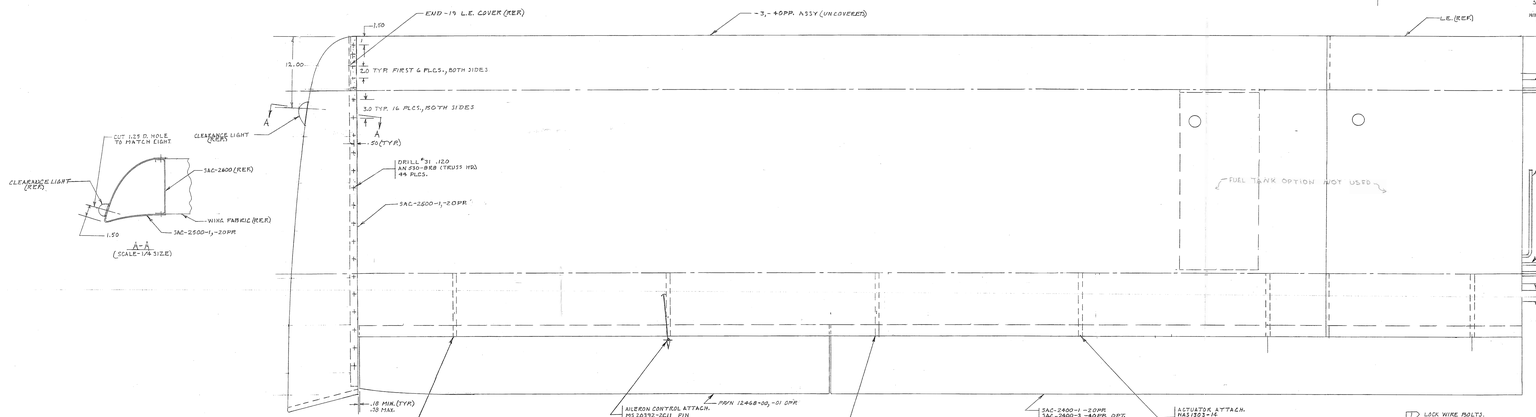
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROV.
A	ADD -36 TO P/L, ADD BRK. TO MAINTENCE CODE	4/14/80	DPK



-1, -2 OPP ASSY
(COVERED -3, -4 OPP ASSY)

Ⓛ LOCK WIRE BOLTS.
Ⓒ TRIM COMM. STEEL ENDS TO PROVIDE REQUIRED SPAR GAP WITH -4 & -7 CLIPS.
Ⓓ SHORTEN AIL. & FLAP SUPT. TO MAINTAIN HINGE AXIS WITHIN ±.010.
Ⓕ FINISH: STEEL PARTS - CAD PLATE PER QQ-P-416, CLASS II. PRIME WITH 2 COATS MIL-P-23377 PRIMER.
ALUM. PARTS - PRIME DETAIL PARTS WITH 2 COATS MIL-P-23377, 2 COATS ON ASSY.
Ⓒ CABLE ASSY - USE TAIT CABLE FREE MIL-C-5624
AN 100-C4 THIMBLE
MS 21256-02 TURNBUCKLE
MS 21255-02 & -01 TURNBUCKLE ENDS.
MS 17251-1551 MARKER.
ASSY. LEN. AS REQ'D.

NOTE 1. REDRAWN SIMPSON AVIATION CO. DWG. 66-1
2. OPTIONAL TO USE # 6 100° CRES SCREWS IN LIEU OF 64 RIVETS SIMILAR TO ORIGINAL PIPER ASSY.
3. COVER WING, FLAP & AILERON PER FAA PART 43.13-1A, CHAP 3.
PANEL - CONCRETE OR ICE BURN.
4. BUTTER-LUBE ALL CONTROL FASTENERS ON INSTL. WITH LEAD PLATE 930-2 OR EQUIV.
5. INSTALL DRAIN HOLES AT OUTBD. SIDE OF EACH RIB INTERSECTION WITH FALSE SPAR IN LOWER SURFACE.

		SHOULDER PIVOT	MS 20392-2		2	
		CLEVIS PIN	MS 20392-2C11		2	
		CLEVIS PIN	MS 20392-2C17		2	
		CLEVIS PIN	MS 20392-3C41		4	
		WASHERS	AN 960-PD816		14	
			AN 960-816		10	
			AN 960-416		6	
			AN 960-PD416		1	
			AN 960-10		28	
		WASHER	AN 960-PD10		4	
		BOLT	AN3-4A		19	— 50
			AN7-7A		4	
			AN5-8A		6	
			AN5-11A		6	
			AN6-14A		4	
			AN5-6A		2	
			NAS 1306-12		2	
			NAS 1303-13		1	
			NAS 1303-3		1	
			AN4-12A		1	
			NAS 517-3-14		1	
			AN3-10		1	
		BOLT	NAS 1303-14		2	
		NUT	NAS 679A3W		26	
			NAS 679A5		16	
			NAS 679A6W		1	
		NUT	AN 310-3		1	
	15631-02	SPACER		PIPER PART	2	3
	12466-01	OPT. 12466-00			1	3
	12466-00	AIL. CONTROL BRKT. LH.			1	3
	12462-00	PULLEY GUARD-WIRE			1	3
	40993-00	PULLEY - AIL.			2	3
	12461-02	AIL. PULLEY BRKT.			1	3
	41270-01	PULLEY ASMBLY - UPR.			1	3
	86102-63	SPACER			2	3
	12460-04	RIB			18	2
	12462-02	NOSE RIBS			11	2
	492-337	CAUTION ROD THEB.			1	2
	11677-00	FLAP CONTROL ROD			1	2
	12474-01	FLAP SUPT ASSY-INTSD			1	3
	4070-00	FAIRLEAD			2	2
	40581-03	FAIRLEAD SNAP			2	2
	12467-00	CABLE GUIDE			2	2
	81262-14	FLAP CONTROL CLIPS			2	2
	40093-09	FLAP BELLCRANK RH.			1	2
	40091-10	FLAP BELL CRANK LH.			1	2
	11672-00	FLAP BELLCRANK BRKT.			1	2
	10960-00	FLAP SPRING			1	2
	12474-00	FLAP SUPT. OUTBD.			1	2
	12252-11	FALSE SPAR, TUBE-LWR.	Tapered Tube (Drawn)	SEE PIPER DRAWING	1	2
	12252-12	FALSE SPAR, TUBE-UPR.			1	2
	12468-02	AIL. SUPT. ASSY-INBD.			9	2
	12703-00	AIL. SUPT ASSY-OUTBD.			9	2
	16849-07	DEAD WIRE ASSY			1	2-3
	16942-06			VENDOR	1	2
	16941-11	DEAD WIRE ASSY			4	2
	11757-00	R.S. LIFT STRUT FTG.			2	2
	78112-07	COMM. STRUT ASSY ⓕ		PIPER PART	2	3
P/N	ITEM	STOCK SIZE		MATERIAL	QTY.	LOC

	14222-00	COMM. STRUT ASSY		PIPER PART	4	2
	12468-01	OPP-00			1	1
	12468-00	AILERON ASSY			1	1
	2AC-2480-1	OPP. SAC-2480-1	OPT SAC-2480-6		1	1
	2AC-2480-1	FLAP ASSY	OPT. SAC-2480-3		1	1
	2AC-2250-1	OPP. SAC-2250-1			1	1
	2AC-2250	WING TIP ASSY			1	1
	2AC-2680-1	OPP. SAC-2680-1			1	2
	2AC-2620-1	TIP RIB ASSY LH			1	2
	2AC-2300-1	OPP. SAC-2300-1			1	2
	2AC-2300-1	AUX. TANK INSTL.			1	2
	2AC-2100-1	R.S. LIFT STRUT FTG.			2	3
	2AC-2250-2	OPP. SAC-2250-1	OPT. SAC-2250-8		1	2
	2AC-22 500	R.S. ASSY.-OPT. LH.	OPT. SAC-2250-3		1	2
	2AC-22500	OPP. SAC-2200-1	OPT. SAC-2200-6		1	2
	2AC-22500-1	R.S. ASSY LH	OPT. SAC-2200-3		1	2
	2AC-2150-1	OPP. SAC-2150-1	OPT. SAC-2152-6		1	2
	2AC-2150-1	R.S. ASSY - OPT. L.H.	OPT. SAC-2150-3		1	2
	2AC-2100-2	OPP. SAC-2100-1	OPT. SAC-2100-9		1	2
	2AC-2100-1	R.S. ASSY. L.H.	OPT. SAC-2100-3		1	2
Ⓑ	-76	FLAP CONTROL LINKS	.080 X .75 X 2.75	2024-T3 CLAD SH.	4	4
	-75	TAPERED PULLEY	.112 X .75 X .75	AISI 4130 NORM SH.	4	4
	-34	PLATE - COMP. STRUT	.032 X 4.70 X 8.00	OPT AL. SH.	2	4
	-33	PLATE - COMP. STRUT	.032 X 3.75 X 8.00	2024-T3 CLAD SH.	2	4
	-32	PLATE - TRACK-UP	.032 X 2.0 X 4.25		2	4
	-31	PLATE - BACK-UP	.032 X 2.0 X 6.25	2024-T3 CLAD SH.	1	4
	-30	ANGLE - SPLICE	.020 X 1.38 X 4.2	AISI 4130 NORM SH.	4	4
	-29	CLIP	.032 X .75 X 2.00	2024-T3 CLAD SH.	4	4
	-28	CLIP	.032 X 1.63 X 1.63		2	4
	-27	STR. PANEL	.025 X 15.13 X 121.2		2	4
	-26	STR. CHAN.	.025 X 1.06 X 15.88		2	4
	-25	CAP STRIP	.025 X 1.18 X 15.88	2024-T3 CLAD SH.	2	4
	-24	SPRING CLIP	.032 X .75 X 1.63	AISI 4130 NORM. SH.	1	4
	-23	AIL. CONT. CABLE ASSY	(RH)		1	2
	-22	AIL. CONT CABLE ASSY	(LH)		1	2
	-21	FLAP CONT STRAP ASSY	.080 X .75 X 8.50 (2)	AISI 4130 NORM. SH.	1	4
	-20	FLAP CABLE ASSY	ⓒ		1	2
	-12	COMM. STRUT ASSY			1	4
	-14	FALSE SPAR	LEN. = 49.50	M/F PPN# 12472-00	1	2
	-13		LEN. = 57.25	M/F PPN# 12438-00	1	2
	-12	FALSE SPAR	LEN. = 57.25	M/F PPN# 12438-00,	1	2
	-11	L.E. COVER	LEN. = 26.92	M/F PPN# 12482-02	1	2
	-10		LEN. = 24.25		1	2
	-9		LEN. = 24.0		1	2
	-8	L.E. COVER	LEN. = 21.0	M/F PPN 12482-02	1	2
	-7	CLIP - WIRE	.080 X .88 X 2.75	AISI 4130 NORM. SH.	12	4
	-6	CLIP - WIRE	.080 X .88 X 4.25	AISI 4130 NORM. SH.	3	4
	-5	DRAG STRUT	58 X .078, LEN. = 48.20	AISI 4130 NORM. TUBING	1	4
	-4	OPP - 3			1	2
	-3	PANEL ASSY LH.		UNCOVERED	1	2
	-2	OPP. - 1			1	2
	-1	WING PANEL ASSY LH		COVERED	1	1
P/N	ITEM	STOCK SIZE		MATERIAL	QTY.	LOC

FASTENER CODE
- MS 20470 AD(X) DIA.
- NAS 1097 AD(X) DIA.
- CHERRY MAX AD(X) DIA.
- MS 20426 AD-(X) DIA.
- NAS 1738 E OIDIA. Ⓑ

DRAWN BY: Phillip 4/80
CHECK BY:
SCALE: 1/5 OR NOTED
TOL: ±.03
FINISH: Ⓕ
USED ON: SAC-1000

BUSHMASTER DESIGN LLC.
KENT, WASHINGTON • Division of Bushmaster Corp., USA
8570 Wardrod Road, Coldstream, BC, Canada, V1B 2Y4

WING PANEL ASSY.

SAC-2000 SH. 1-4A