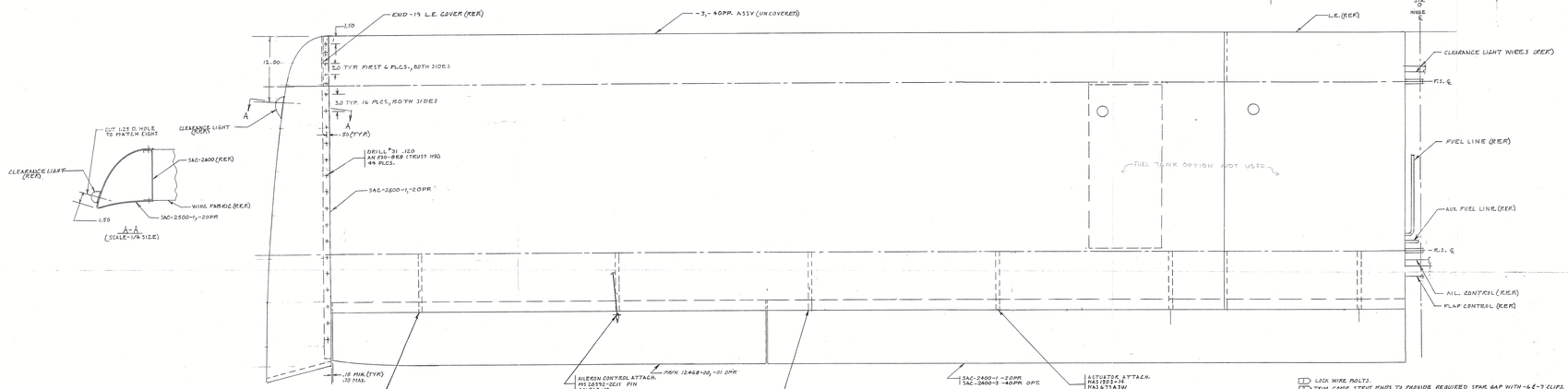
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROV.
A	ADD -36 TO PCL, ADD DRILL TO FASTENER CODE	9/14/20	DPK



(1) LOCK WIRE BOLTS.
(2) TRIM COMP. STEUT ENDS TO PROVIDE REQUIRED SPAR GAP WITH -6 & -7 CLIPS.
(3) SHORTEN AIL & FLAP SUPT TO MAINTAIN HINGE AXIS WITHIN ±.010.
(4) FINISH: STEEL PARTS - CAD PLATE PER QQ-P-416, CLASS 2. PRIME WITH 2 COATS MIL-P-23377 PRIMER.
ALUM. PARTS - PRIME DETAIL PARTS WITH 2 COATS MIL-P-23377, 2 COATS ON ASSY.
(5) CABLE ASSY - 1/8 7X19 CABLE PER MIL-C-5424
AN 100-6 THIMBLE
MS 21256-12 SWAGE
MS 21256-12 2 PLC. THIMBLE/TURNBUCKLE ENDS.
MS-21251-051 TURNBUCKLE
ASSY LEN. AS REQ'D.

NOTE
1. REDRAWN SIMPSON AVIATION CO. DWG. 64-7.
2. OPTIONAL TO #10 & #12 SCREWS IN LIEU OF 64 RIVETS SIMILAR TO ORIGINAL PIPER ASSY.
3. COVER WING, FLAP & AILERON PER FAA PART 43.13-1A, CHAP 3. PAINT - CELANITE III OR EQUIV.
4. BUTTER-LUBE ALL CONTROL PASTPEGS ON INSTL. WITH LUBRIPLATE 630-2 OR EQUIV.
5. INSTALL DRAIN HOLES AT DTRD. SIZE OF EACH RIB INTERSECTION WITH FALSE SPAR OR LOWER SURFACE.

P/N	ITEM	STOCK SIZE	MATERIAL	QTY	LOC
	GROMMET	MS35489-2		2	60
	CLEVIS PIN	MS 20932-2C11		2	
	CLEVIS PIN	MS 20932-2C19		2	
	CLEVIS PIN	MS20332-2C41		6	
	WASHERS	AN 960-PD716		16	
		AN 960-716		10	
		AN 960-416		6	
		AN 960-PD416		1	
		AN 960-10		22	
	WASHER	AN 960-PD10		4	
	BOLT	AN3-12A		11	— 50
		AN3-HZ34		4	
		AN5-8A		4	
		AN7-11A		6	
		AN5-H12A		4	
		AN5-6A		2	
		NAS1305-12		2	
		NAS1303-15		1	
		NAS1303-5		1	
		AN4-12A		1	
		NAS 517-3-14		1	
		AN3-10		1	
	BOLT	NAS 1303-14		2	
	NUT	NAS 679A3W		24	
		NAS 679A5		14	
	NUT	NAS 679A6W		1	
		AN 310-3		1	
12631-02	SPACER,		PIPER PART	2	3
12466-01	OPR. 12466-00			1	3
12466-05	AIL. CONTROL BRKT. LH.			1	3
12462-00	PULLEY GUARD-LWR.			1	3
40991-00	PULLEY - AIL.			2	3
12461-02	AIL. PULLEY BRKT.			1	3
41370-00	PULLEY GUARD-UPR.			1	3
86101-62	SPACER			2	3
12040-04	RIB			13	E
12462-02	NOSE RIBS			11	E
45C-337	CONTROL ROD PROG.			2	E
11677-00	FLAP CONTROL ROD			1	3
12474-05	FLAP SUPT ASSY-INNER			1	3
86701-00	PAIL LEAD			2	2
48081-02	PAIL NAP SNAP			2	2
12467-00	CABLE GUIDE			2	2
81261-14	FLAP CONTROL CLIPS			2	2
40091-09	FLAP BELLCRANK RH.			1	2
40091-10	FLAP BELLCRANK LH.			1	2
11672-00	FLAP BELLCRANK BRKT.			1	2
10960-00	FLAP SPRING			1	2
12474-00	FLAP SUPT. OUTBD.			1	2
12232-11	PAL SPAR TUBE-LWR.		PALE SPAR BRAC	9	2
12232-13	PALSE SPAR SUPT-UPR.			9	2
12763-00	AIL. SUPT. ASSY-INBD.			1	2-3
12763-00	AIL. SUPT ASSY-OUTBD.			1	2
14941-07	DRAG WIRE ASSY			6	2
14941-06				2	2
14941-11	DRAG WIRE ASSY			2	2
11767-02	R.S. LIFT STEUT RTG.			2	3
78112-07	COMP. STEUT ASSY -7		PIPER PART	1	2E

P/N	ITEM	STOCK SIZE	MATERIAL	QTY	LOC
12221-20	COMP. STEUT ASSY		PIPER PART	4	2E4
12468-01	OPR-00			1	
12468-00	AILERON ASSY		PIPER PART	1	1
SAC-2400-2	OPR SAC-2400-6		OPT SAC-2400-6	1	1
SAC-2400-1	PLAP ASSY		OPT. SAC-2400-3	1	1
SAC-3200-1	OPR. SAC-3200-1			1	1
SAC-3200	WING TIP ASSY			1	1
SAC-2600-2	OPR. SAC-2600-1			1	2
SAC-2600-1	TIP RIB ASSY L.H.			1	2
SAC-2500-2	OPR. SAC-2500-1			1	2
SAC-2500-1	AUX. TANK INSTL.			1	2
SAC-2160-1	R.S. LIFT STEUT RTG.			2	3
SAC-2250-1	OPR. SAC-2250-1		OPT. SAC-2250-4	1	2
SAC-22504	R.S. ASSY-OPT. LH.		OPT. SAC-2250-3	1	2
SAC-2200-2	OPR. SAC-3200-1		OPT. SAC-2250-6	1	2
SAC-2200-1	R.S. ASSY LH.		OPT. SAC-2200-2	1	2
SAC-2150-6	OPR SAC-3150-1		OPT. SAC-2150-6	1	2
SAC-21502	R.S. ASSY - OPT. L.H.		OPT. SAC-2150-3	1	2
SAC-2100-2	OPR SAC-2100-1		OPT SAC-2100-4	1	2
SAC-2100-1	RS. SPAR. ASSY LH.		OPT. SAC-2100-3	1	2
-36	FLAP CONTROL LINKS	.080 X .75 X 1.5	AISI 4130 NORM SH.	4	4
-35	TAPERED FILLETS	.125 X .75 X .75	OPT AL. SH.	2	4
-34	PLATE - COMP. STRUT	.032 X 4.00 X 8.00	2024-T3 CLAD SH.	2	4
-33	PLATE - COMP. STRUT	.032 X 3.75 X 8.00		2	4
-32	PLATE - TRACK-UP	.032 X 2.0 X 4.25		1	4
-31	PLATE - BRACK-UP	.032 X 2.0 X 4.25	2024-T3 CLAD SH.	1	4
-30	ANGLE - SPLICE	.032 X .75 X 4.5	2024-T3 CLAD SH.	1	4
-29	CLIP	.032 X .75 X 2.00	AISI 4130 NORM. SH.	4	4
-28	CLIP	.032 X 1.25 X 1.43	2024-T3 CLAD SH.	2	4
-27	STIF. PANEL	.032 X 1.25 X 1.43		2	4
-26	STIF. CHAN.	.025 X 2.06 X 13.88		1	4
-25	CAP STRIP	.025 X 1.18 X 13.88	2024-T3 CLAD SH.	1	4
-24	SPRING CLIP	.050 X .75 X 1.43	AISI 4130 NORM. SH.	2	4
-23	AIL. CONT. CABLE ASSY	(LWR.)	(2E)	1	2
-22	AIL. CONT CABLE ASSY	(UPR.)	(2E)	1	2
-21	FLAP CONT. STRAP ASSY	.080 X .75 X 8.50 (2)	AISI 4130 NORM. SH.	1	4
-20	FLAP CABLE ASSY		(2E)	1	2
-16E	COMP. STRUT ASSY			1	4
-14	FALSE SPAR	LEN. = 47.50	M/F PPN# 19372-00	1	2
-13		LEN. = 57.50	M/F PPN# 19372-01	1	2
-12	FALSE SPAR	LEN. = 37.75	M/F PPN# 19382-00	1	2
-11	L.E. COVER	LEN. = 26.75	M/F PPN# 12482-05	1	2
-10		LEN. = 24.25		1	2
-9		LEN. = 56.0		1	2
-8	L.E. COVER	LEN. = 51.0	M/F PPN 12482-05	1	2
-7	CLIP - WIRE	.080 X .88 X 2.75	AISI 4130 NORM. SH.	12	4
-6	CLIP-WIRE	.080 X .88 X 4.50	AISI 4130 NORM. SH.	3	4
-5	DRAG STEUT	58 X .078, LEN. = 48.50	AISI 4130 NORM. TUBING	1	4
-4	OPP -3			1	2
-3	PANEL ASSY L.H.		UNCOVERED	1	2
-2	OPP. -1			1	1
-1	WING PANEL ASSY L.H.		COVERED	1	1
P/N	ITEM	STOCK SIZE	MATERIAL	QTY	LOC

FASTENER CODE
- (D) MS20470 AD(D) DIA.
- (B) NAS1097-D (D) DIA.
- (R) CHERRY MAX(D) DIA.
- (L) MS20615-3D(D) OD DIA.
- (BLL) NAS 1738 E OD DIA. (B)

DRAWN BY: [illegible]
CHECK BY:
SCALE: 1/8 OR NOTED
TOL.: ±.005
FINISH: (E)
USED ON: SAC-1000

BUSHMASTER DESIGN LLC.
KENT, WASHINGTON - Division of Bushmaster Intl. Ltd.
8019 Mellor Road, Cobble Hill, Canada, V0R 1L6

WING PANEL ASSY.

SAC-2000 SH. 1-4A