

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE Piper	MODEL PA-22/20
	SERIAL NO. 22-5777	NATIONALITY AND REGISTRATION MARK N86483
2. OWNER	NAME (As shown on registration certificate) James R. Younkin	ADDRESS (As shown on registration certificate) 1500 S. Old Missouri Rd. Springdale, Ark. 72766

3. FOR FAA USE ONLY

THE ALTERATION IDENTIFIED HEREIN COMPLIES WITH APPLICABLE AIRWORTHINESS REQUIREMENTS AND IS APPROVED ONLY FOR THE ABOVE DESCRIBED AIRCRAFT SUBJECT TO CONFORMITY INSPECTION BY A PERSON AUTHORIZED IN
6-11-91 *Archie A Newby*
DATE FAA INSPECTOR

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE	
				REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1 above, *****)				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS Samuel J. Cordrey Rt. 7 Box 503A Fayetteville, Ark. 72701	B. KIND OF AGENCY <input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC <input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC <input type="checkbox"/> CERTIFICATED REPAIR STATION <input type="checkbox"/> MANUFACTURER	C. CERTIFICATE NO. IA266825150
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE June 6, 1991	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Samuel J. Cordrey</i> Samuel J. Cordrey
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7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY FAA REG STANDARDS INSPECTOR	MANUFACTURER	XX	INSPECTION AUTHORIZATION	OTHER (Specify)
BY FAA DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION June 6, 1991	CERTIFICATE OR DESIGNATION NO. IA266825150	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Samuel J. Cordrey</i> Samuel J. Cordrey		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

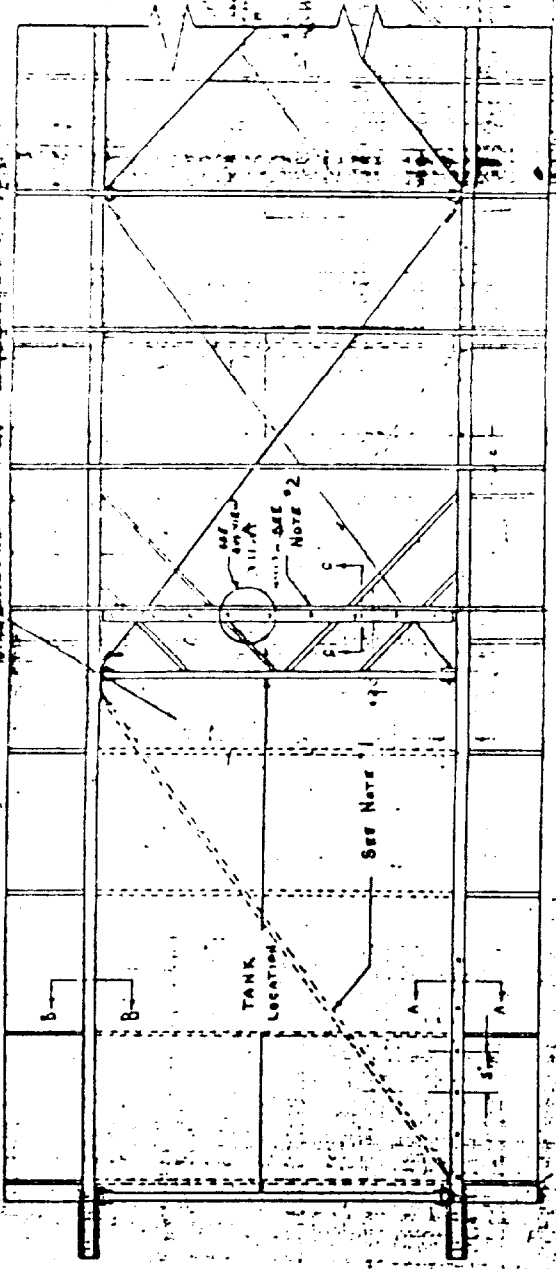
8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Rebuilt and modified left hand wing to accept large fuel tank.
Modified right hand wing for large fuel tank. See attached drawings/blueprints for additional information. (Two (2) pages).
Tested and Installed fuel tanks as per attached drawings/blueprints.
All work accomplished in Accordance with Advisory Circular AC43.13-1A.

----- END -----

ADDITIONAL SHEETS ARE ATTACHED

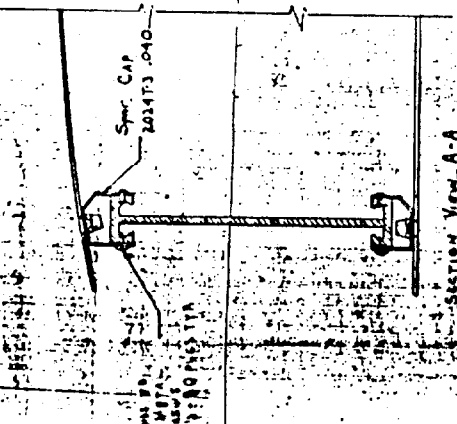
TRAINING EDGE



NOTES

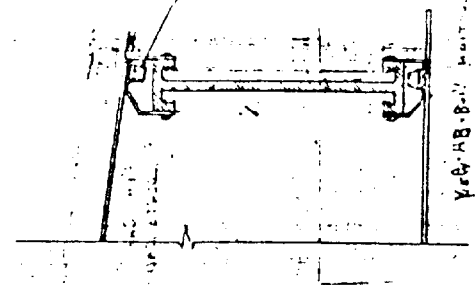
- (1) REMOVE ORIGINAL TANK, JOINT, MAN/ACCESS TUBE. REMOVE BARRICADE INSIDE OF TANK. BRACE BETWEEN ALL OUTBOARD OF TANK.
- (2) BRACE AIR OUTBOARD OF SECOND MEMBER TO SUPPORT PARTS AS PER OUTBOARD OF ORIGINAL TANK.
- (3) TANK UPPER AND LOWER SURVEY BEYOND TANK AND SECOND COMP MEMBER TO BRACE AIR WHERE

LAPPING EDGE



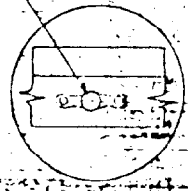
Top View

FRONT & REAR



FR-32 Access Nut
AN-302
10 PMS TYP.

FR-32 Access Nut
AN-302 ON 5
10 PMS TYP.

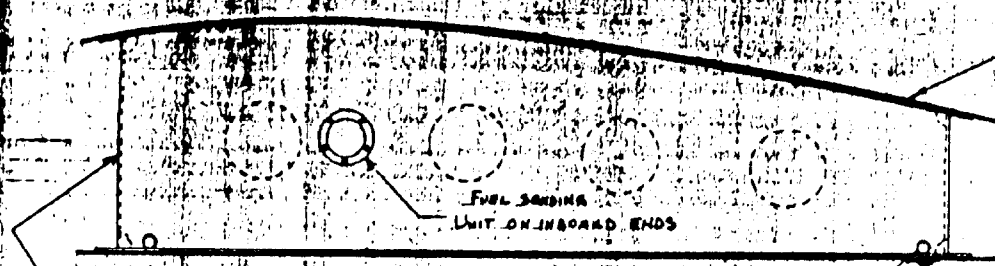


View A

MAN/C-C

FR-32 Access Nut

SECTION VIEW A-A

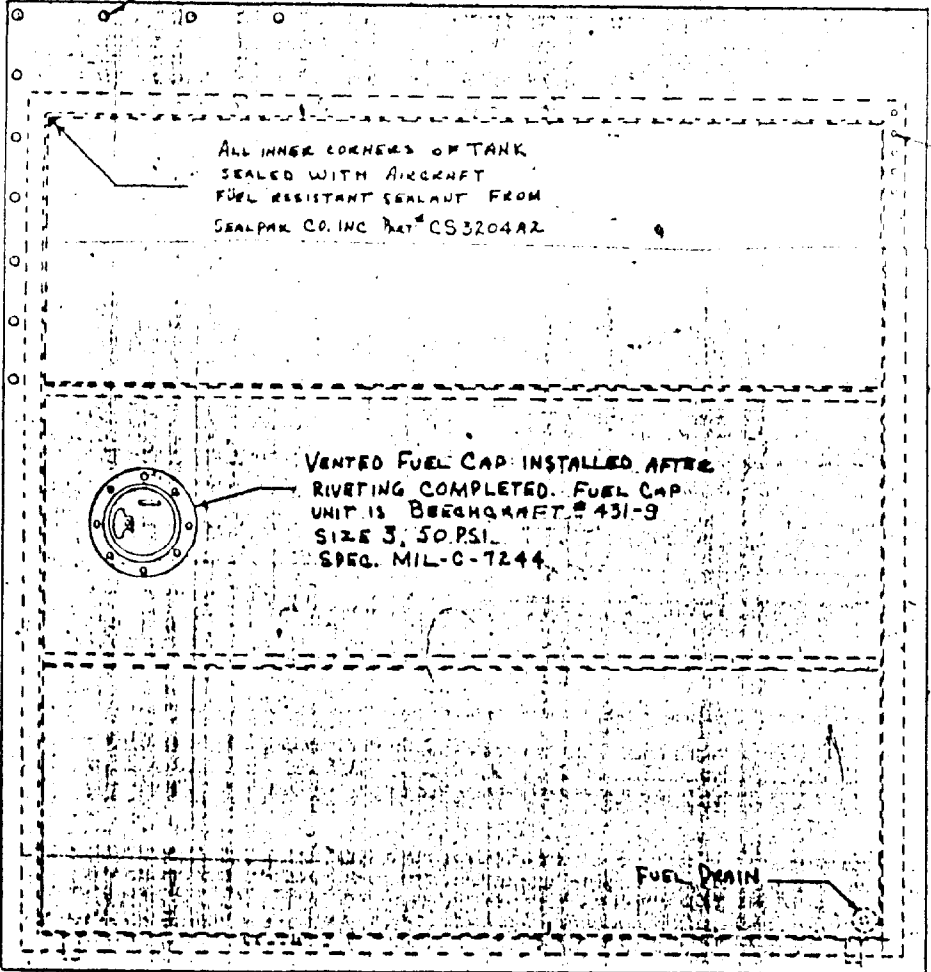


TOP AND BOTTOM
MATERIAL: .040-2024-T3

TANK FRAME
WELDED AT
FOUR CORNERS -
MATERIAL IS MADE OF
3003-H14.

FUEL
OUTLETS
2 TYP.

mounting holes - typ.



TOP AND BOTTOM RIVETED
ON USING AN-426-4-4
RIVETS, 1 1/2 IN. CENTERS

ALL INNER CORNERS OF TANK
SEALED WITH AIRCRAFT
FUEL RESISTANT SEALANT FROM
SEALPAK CO. INC Part # CS3204A2

VENTED FUEL CAP INSTALLED AFTER
RIVETING COMPLETED. FUEL CAP
UNIT IS BECHMANN # 431-9
SIZE 3, 50 PSI.
SPEC. MIL-C-7244

FUEL DRAIN

FUEL TANK APPROX. GAL., -34