

SEP 13 1984

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)				Form Approved Budget Bureau No. 04-R06004 FOR FAA USE ONLY OFFICE IDENTIFICATION AEA-6AD0-01		
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	Republic		MODEL	RC3	
	SERIAL NO.	97		NATIONALITY AND REGISTRATION MARK	N87537	
2. OWNER	NAME (As shown on registration certificate)			ADDRESS (As shown on registration certificate)		
	Ultra Photo Works Inc.			468 Commercial Ave. Palisades Park, N.J. 07650		
3. FOR FAA USE ONLY The data identified herein complied with applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in FAR-43.7. APPROVING INSPECTOR <i>AL Borando</i> DATE <i>9-6-84</i>						
4. UNIT IDENTIFICATION					5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTER-ATION	
AIRFRAME	***** (As described in item 1 above) *****				X	
POWERPLANT						
PROPELLER						
APPLIANCE	TYPE					
	MANUFACTURER					
6. CONFORMITY STATEMENT						
A. AGENCY'S NAME AND ADDRESS			B. KIND OF AGENCY		C. CERTIFICATE NO.	
Gary L. Klindt RD #1 Box 143a Sidney Center N.Y. 13839			☒ U.S. CERTIFICATED MECHANIC		A&P 1508241	
			☐ FOREIGN CERTIFICATED MECHANIC			
			☐ CERTIFICATED REPAIR STATION			
			☐ MANUFACTURER			
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			SIGNATURE OF AUTHORIZED INDIVIDUAL			
9-4-84			<i>Gary L. Klindt</i>			
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 FLT. STANDARDS INSPECTOR	MANUFACTURER	☒	OTHER (Specify)		
	FAA DESIGNEE	REPAIR STATION	☐			
DATE OF APPROVAL OR REJECTION		CERTIFICATE OR DESIGNATION NO.		SIGNATURE OF AUTHORIZED INDIVIDUAL		
9-8-84		1A 1508241		<i>Gary L. Klindt</i>		

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.)

1. Installed Whelen 3 lite strobe system consisting of the following parts: A413A-HDA-DF-14V power supply S/N 17642, A500 tail light, A65OPR & A65OPG wing lights, and HD T3-90 installation package.
 - A. Strobe power supply mounted on floor under right rear passenger seat using 6061-T3 .063 doubler. Used existing platenuts to attach doubler plate with 10-32 screws.
 - B. All electrical wiring done per. Whelen installation instructions. Installed Klixon 7270-1-5 5amp switch breaker in switch panel.
2. Installed leading edge landing lights in both wing extension panels as follows:
 - A. Cut 6 3/4 x 11" hole centered in each leading edge.
 - B. Fabricated rear mounting bulkhead using 6061T4 .063 aluminum (see attached sheet) and rivited to wing upper and lower surface using AN426AD4 rivits, and to wing tip rib using AN 470AD4 rivits.
 - C. Fabricated bulb mounting brackets, inboard end cover, and center light deflectors using 2024T3 .032 aluminum (see attached sheets) and installed using #8 screws and elastic stop nuts.
 - D. Fabricated bulb hold down clips and installed with #6 screws.
 - E. Installed 12 ea. A6-75 rivnuts in each wing to mount lens retainer strips.
 - F. Formed lens using .100" plexiglas.
 - G. Installed lens using 2024T3 .032 aluminum strips (see attached sheet) using #6 screws.
 - H. All wiring is AWG12 per. AC43.13-1, chapter 11, section 3, Fig. 11.5 and 11.7 circuits are protected by 2ea 30 amp fuses. All bulbs are GE4509 100 watt bulbs. Total amperage draw for each circuit is 16.6 amps (see attached wiring diagram for details.)
3. The above installations were static load tested 3G up, 9G Frwd. 6.6G down and 1.5G sideways and were found to meet par 23.561 Req. No permanent deformation of structure was evident.
4. The equipment list and weight and balance forms were revised to show above changes.

6EA

☒ ADDITIONAL SHEETS ARE ATTACHED

SEP 14 1984

Weight and Balance September 4, 1984

Sea Bee N87537 S/N 97

Superseeds May 12, 1979 Document

	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
Aircraft Weight	2261.36	122.56	277,146.89
<u>Equipment added</u>			
Whelen strobe lights	3.0	99.7	299.1
Landing lights	4.0	101.5	406.0
Sub total equip. added	7.0		705.1
New weight and CG	2268.36lbs	122.49	277851.99

G.L. Klindt 9-4-84

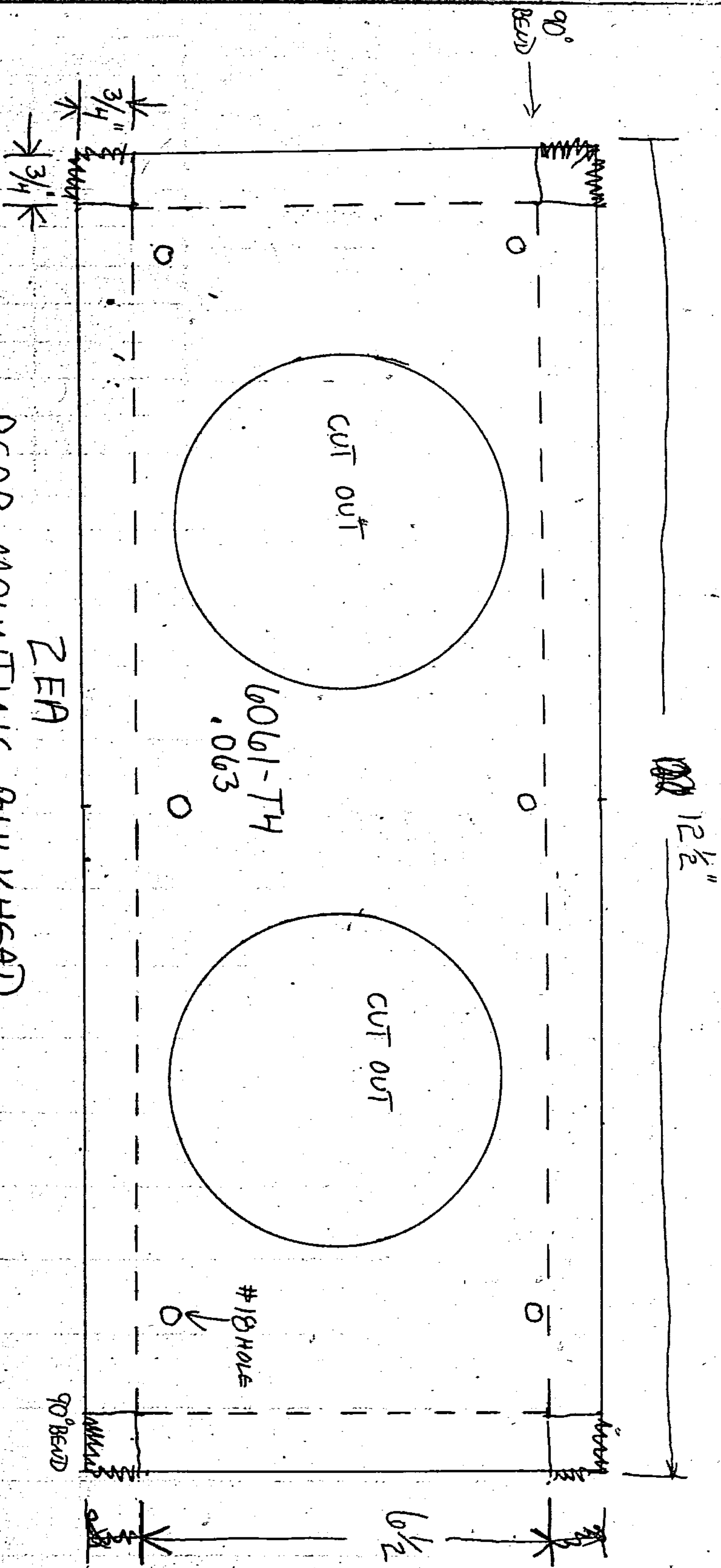
G.L. Klindt
A&PIA 1508241

Sidney, New York 13838

N:	S/N:
WO#:	DATE:
HOBBS:	A/F TT:
L ENG:	R.ENG:
Authorized Signature:	

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REAR MOUNTING BULKHEAD
RIVETED TO UPPER & LOWER SKIN
RIVETED TO TOP RIB
WBD END COVER ATTACHED WITH SCREWS



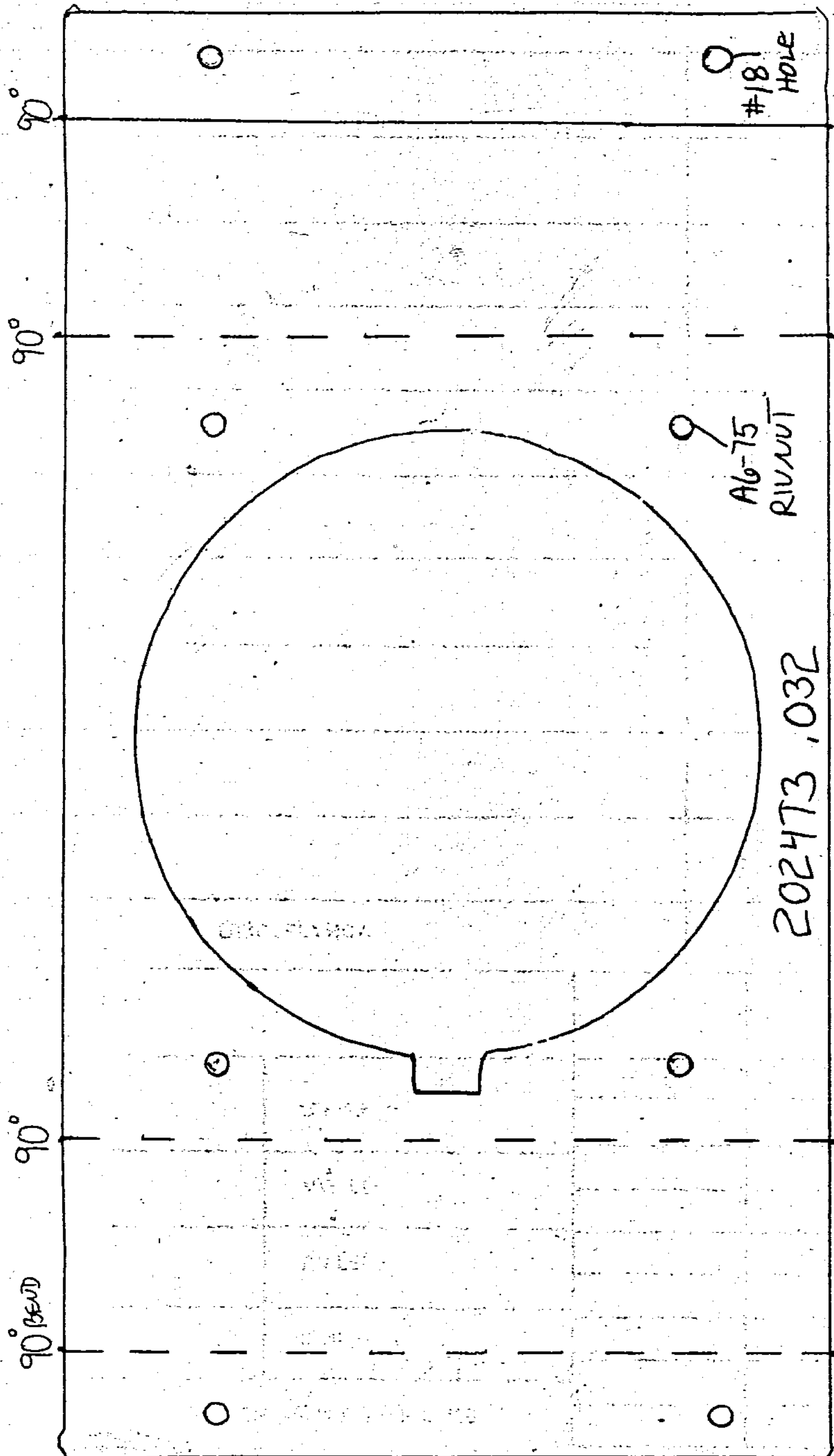
FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 6-12-90

Sidney, New York 13838



N:	S/N:
WO#:	DATE:
HOBBS:	A/F TT:
L. ENG:	R.ENG:
Authorized Signature:	

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LANDING LIGHT ATTACH BRACKET
MOUNTED IN OUTBOARD POSITION - FACE STRAIGHT FORWARD
2 EA, (ACTUAL SIZE)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 6-12-90

DATE: 6-12-40

F. A. A. Station No. 101-14

Electrical Components Div.

FLIGHT DEPT.

Sidney, New York 13838



N:

S/N:

WO#:

DATE:

HOBBS:

A/F TT:

L ENG:

R.ENG:

**Authorized
Signature:**

QUAN

PART NO.

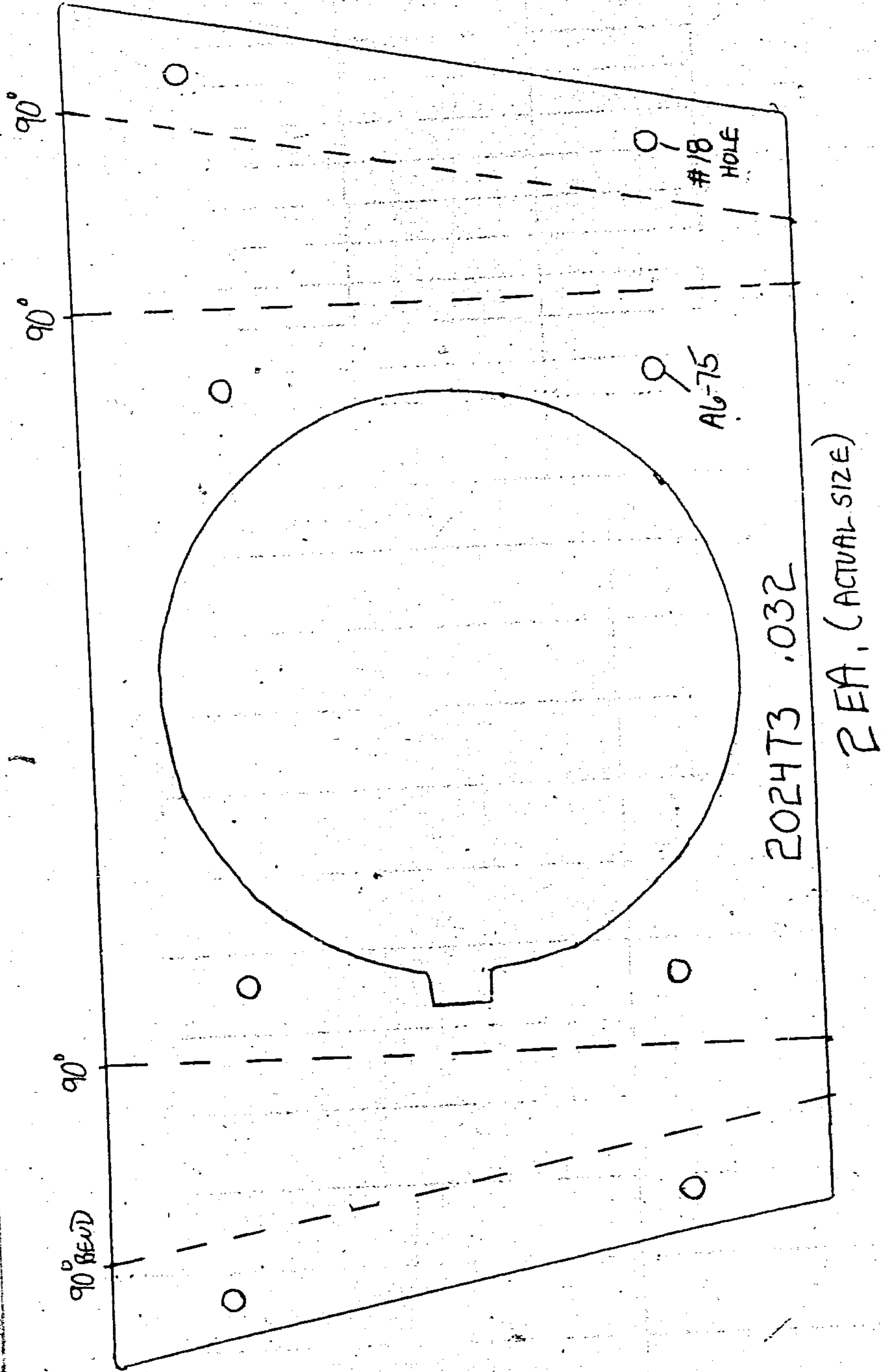
DESCRIPTION

PRICE

DISCREPANCY

CORRECTIVE ACTION

MECH



TAXI LIGHT ATTACH BRACKET

MOUNTED IN INBOARD POSITION TILTING DOWNWARD

SHEET #3

FAA AIRCRAFT REGISTRY

CAMERA NO. 3 DATE: 6-12-90

F. A. A. Station No. 101-14



Electrical Components Div.

FLIGHT DEPT.

Sidney, New York 13838

N:

S/N:

WO#:

DATE:

HOBBS:

A/F TT:

L ENG:

R.ENG:

Authorized
Signature: -

QUAN

PART NO.

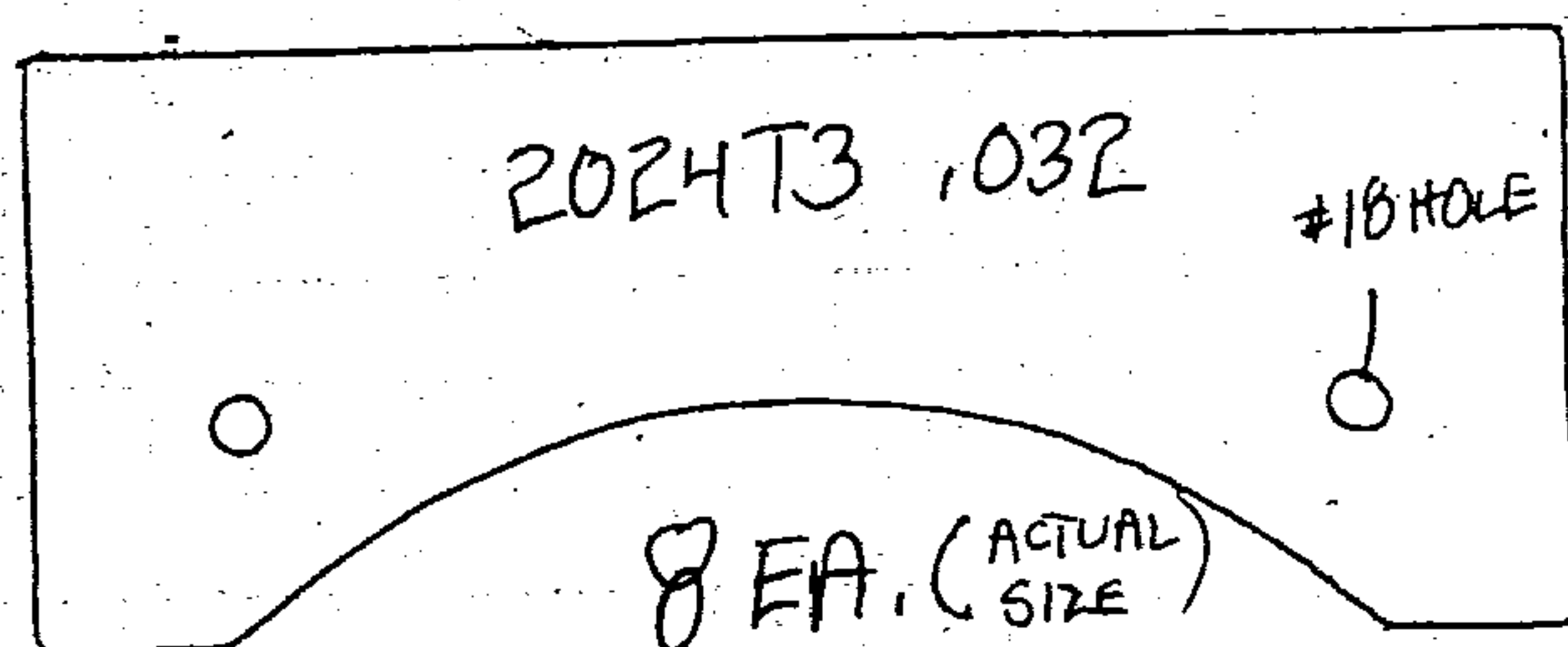
DESCRIPTION

PRICE

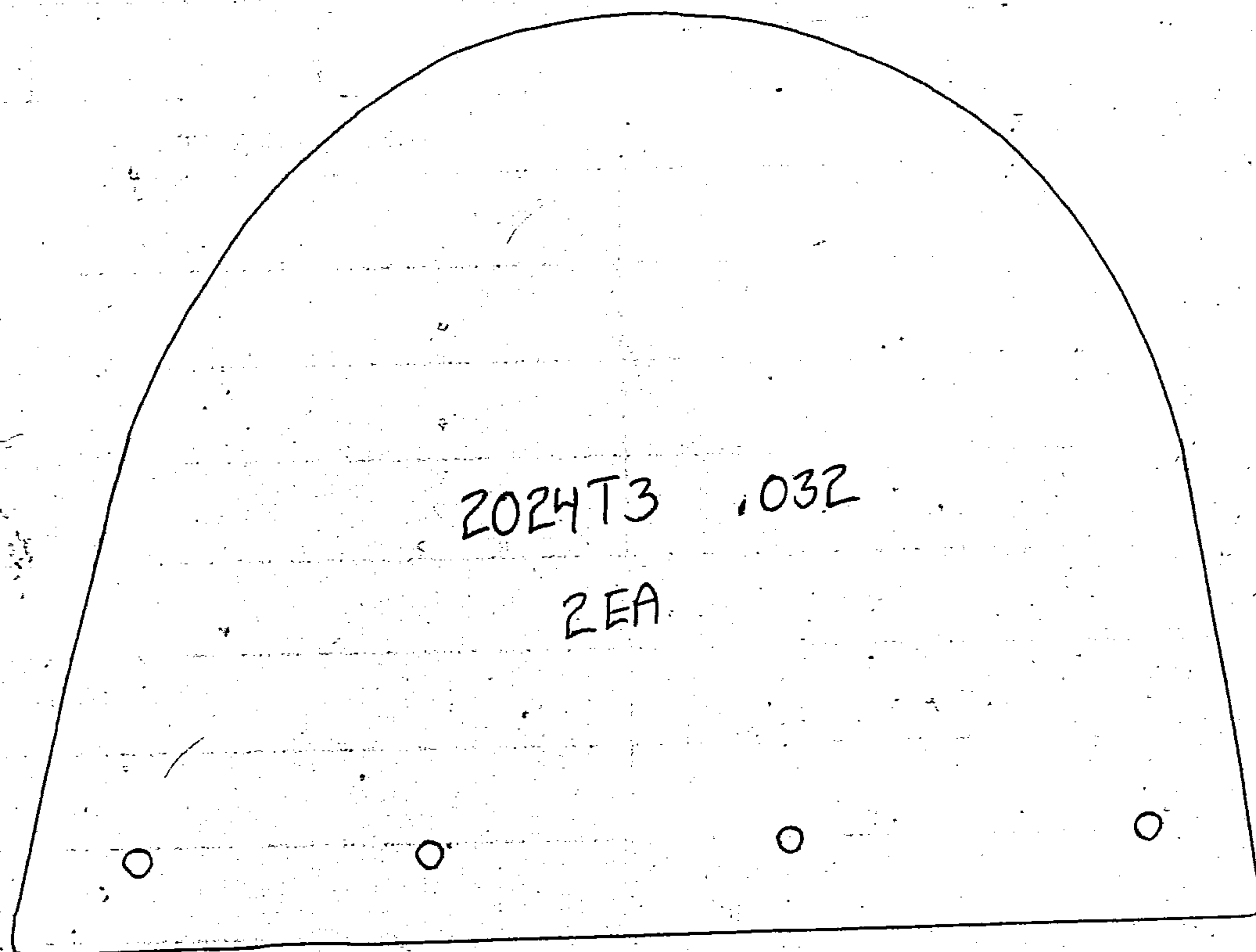
DISCREPANCY

CORRECTIVE ACTION

MECH



GE 4509 BULB RETAINING PLATES
ATTACHED WITH MS35206-234 SCREWS & WASHERS



INBOARD END COVER (ACTUAL SIZE)

ATTACHED TO FLANGE ON REAR MOUNTING BULKHEAD
USING 4 EA AN520-6-6 SCREWS AND AN365-632 NUTS

SHEET #4

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

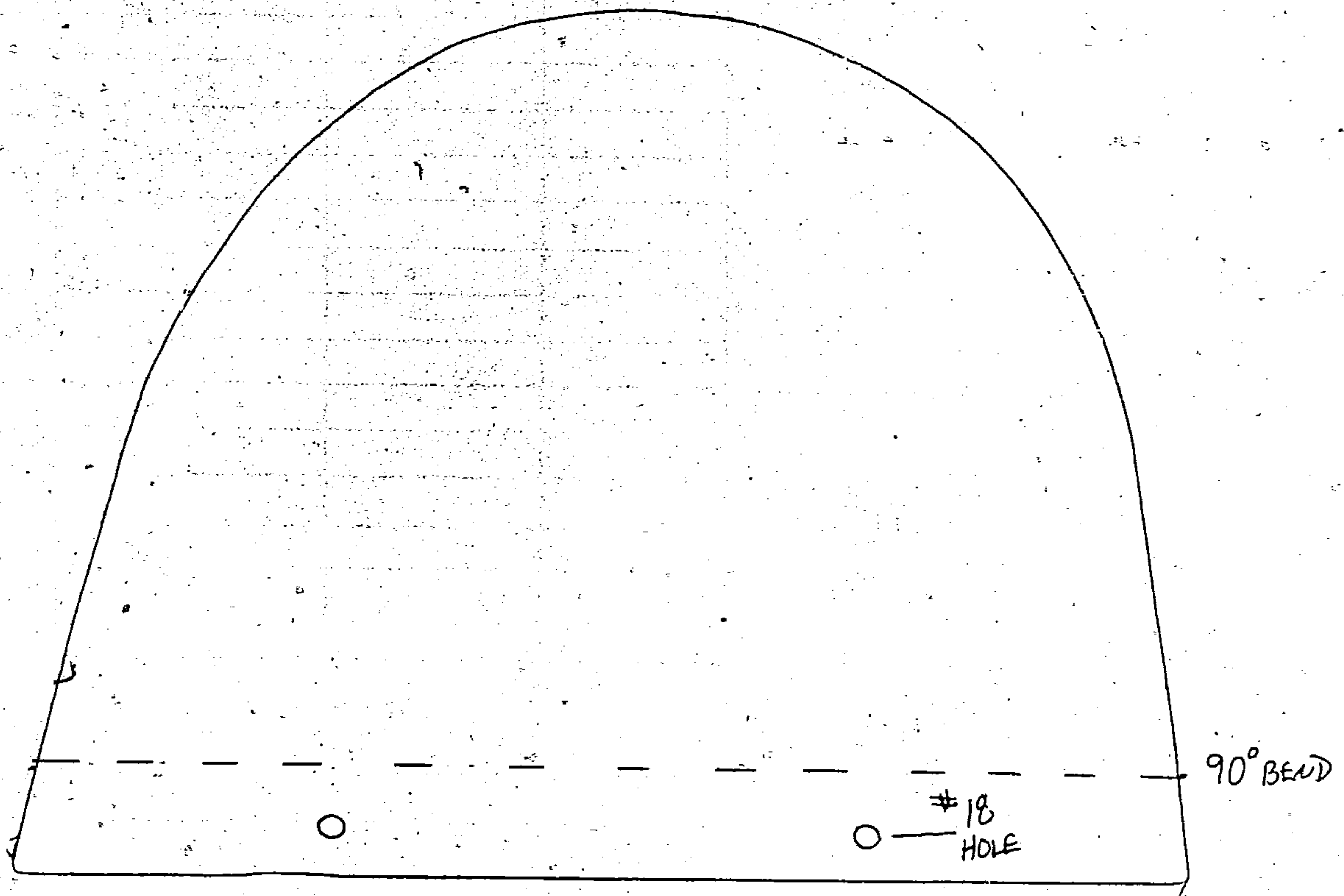
Bendix

Sidney, New York 13838

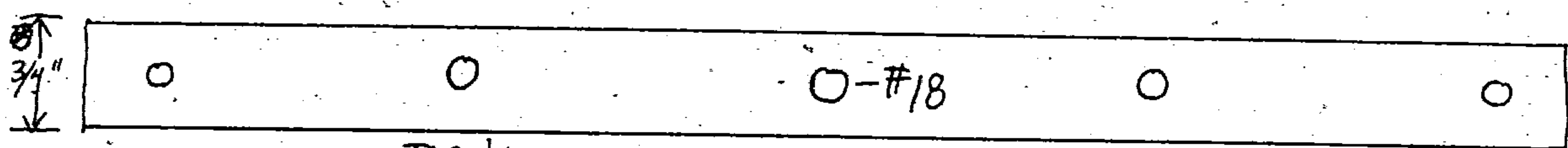
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Signature:

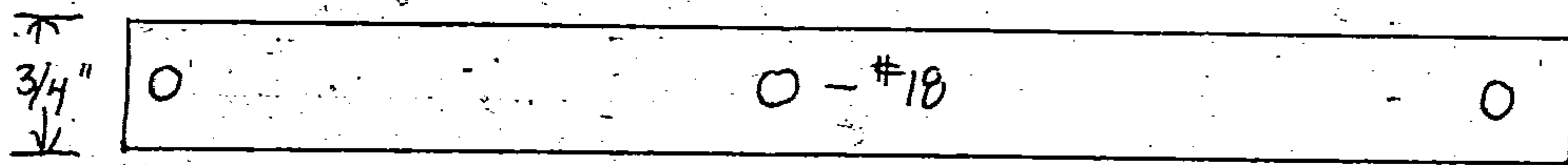
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INTER LIGHT DEFLECTOR SHIELD (ACTUAL SIZE)
MOUNTS TO REAR BULKHEAD BETWEEN THE TWO LIGHT
ATTACH BRACKETS USING AN526-B-8 SCREWS & AN365-B32 NUTS



TOP & BOTTOM LENS RETAINING STRIPS
HEA



SIDE RETAINING STRIPS
HEA

LENGTHS AS REQUIRED



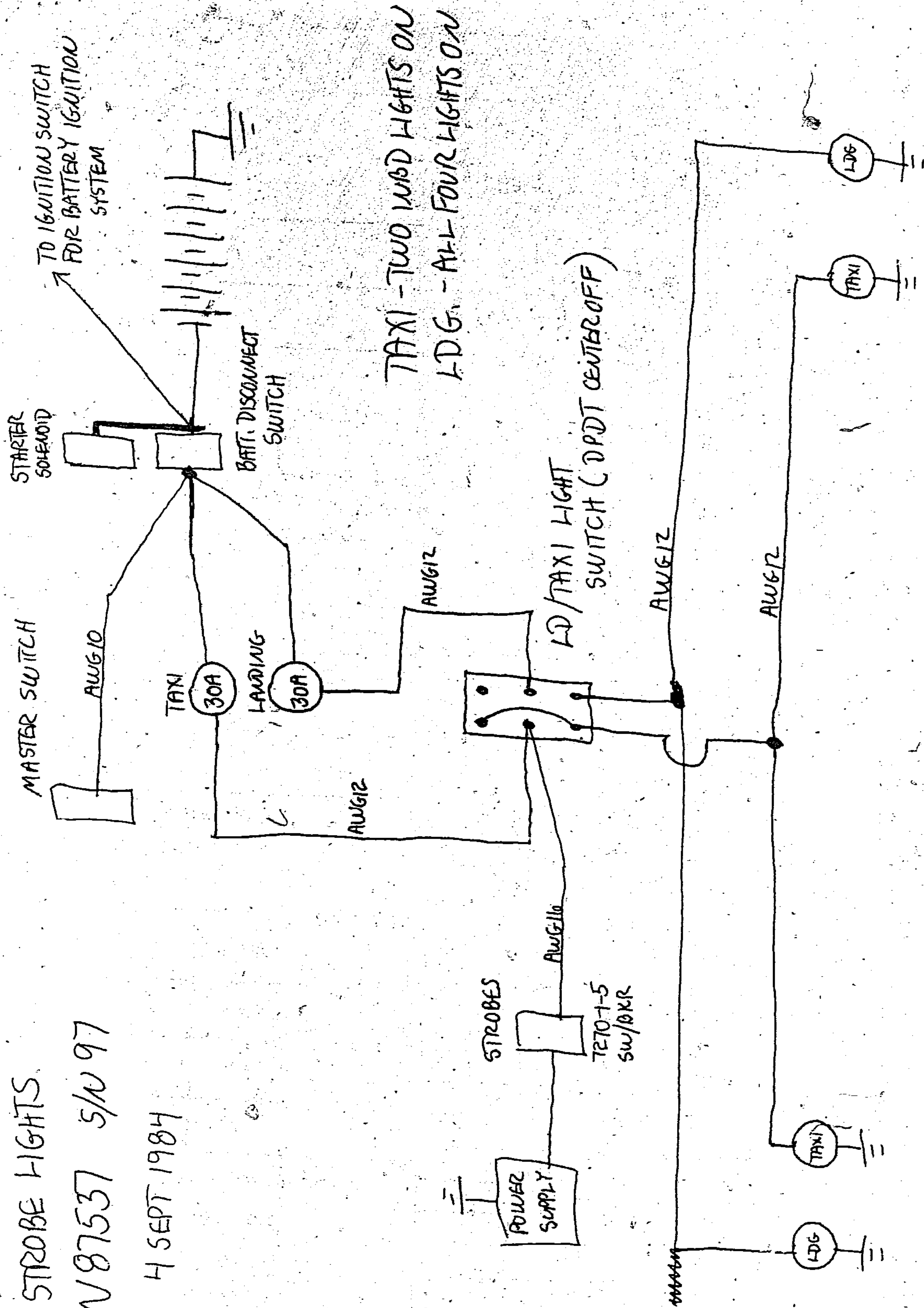
END VIEW



LANDING LIGHTS
STROBE LIGHTS

N 87537 5/10 97

4861 LBS 4
4 SEPT 1984



SHEET # 6