

COPY MASTER

MASTER

SHOULDER HARNESS

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)	Form Approved Budget Bureau No. 04-R060.1 <hr/> FOR FAA USE ONLY <hr/> OFFICE IDENTIFICATION
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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
	SERIAL NO. 1601	NATIONALITY AND REGISTRATION MARK N 3326 A
2. OWNER	NAME (As shown on registration certificate) HAROLD J. DOLL	ADDRESS (As shown on registration certificate) 5 WILLOW CIRCLE, RT. 6 GULFPORT, MS. 39503

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE	
				REPAIR	ALTERATION
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.
HAROLD JAMES DOLL 5 WILLOW CIRCLE, RT. 6 GULFPORT, MS. 39503	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC	AP 332286335
	<input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC	
	<input type="checkbox"/> CERTIFICATED REPAIR STATION	
	<input type="checkbox"/> 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 JULY 14, 1982	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Harold James Doll</i>
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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 FLT. STANDARDS INSPECTOR	MANUFACTURER	<input checked="" type="checkbox"/> INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION FEB. 9, 1983	CERTIFICATE OR DESIGNATION NO. 1988868	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Robert McWaters</i>
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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.)

PIPER PA-22 S/N 1601 N3326A

July 14, 1982

RESTRAINT ATTACHMENTS INSTALLED AS PER ATTACHED DRAWINGS WITH THE "G" LOAD REQUIREMENT AND INTEGRITY AS OUTLINED IN CHAPTER 9, SECTION 3, PARAGRAPH 161 OF AC 43.13-2A.

60

INSTALLATION DESCRIBED ON ATTACHED DRAWINGS:

- DWGS. 22HDM - 1
- 22HDM - 2
- 22HDM - 3
- 22HDM - 6
- 22HDM - 7
- 22HDM - 4R91
- 22HDM - 5R91
- 22HDM - 8R91
- HJD - 1000
- HJD - 1001
- HJD - 1002

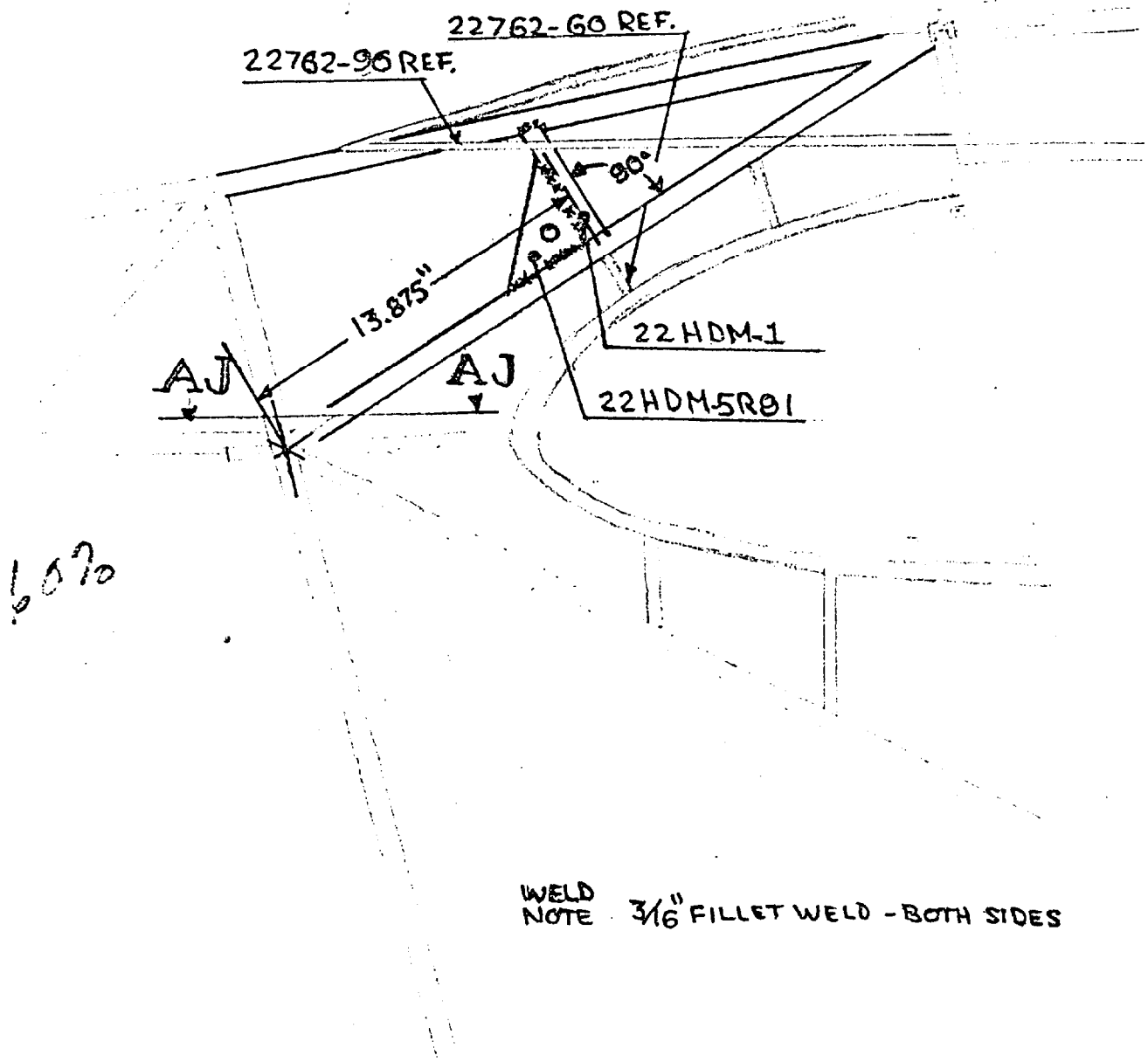
ALL WORK ACCOMPLISHED ACCORDING TO AC 43.13 -1A, SECTION 2.

ENGINEERING DESIGN PER AC 43.13 - 2A, CHAPTER 9.

--- END ---

shot

REF. FIG. 6 DOOR & WINDOW FRAME
INST. RIGHT SIDE PIPER DWG.
13808- FRAME ASSY. FUSELAGE



6070

WELD
NOTE 3/16" FILLET WELD - BOTH SIDES

INSTALLATION FOR FRONT RIGHT HAND PASSENGER SHOULDER HARNESS ATTACHMENT TO FUSELAGE PA22 S/N 1601 N3326A			
APPROVED		SUMMITTED HJ DOLL AP 332286335	
DR BY HJD	DATE	SCALE	DRAWING
CK BY	7-14-82	2"=1'	HJD 1000

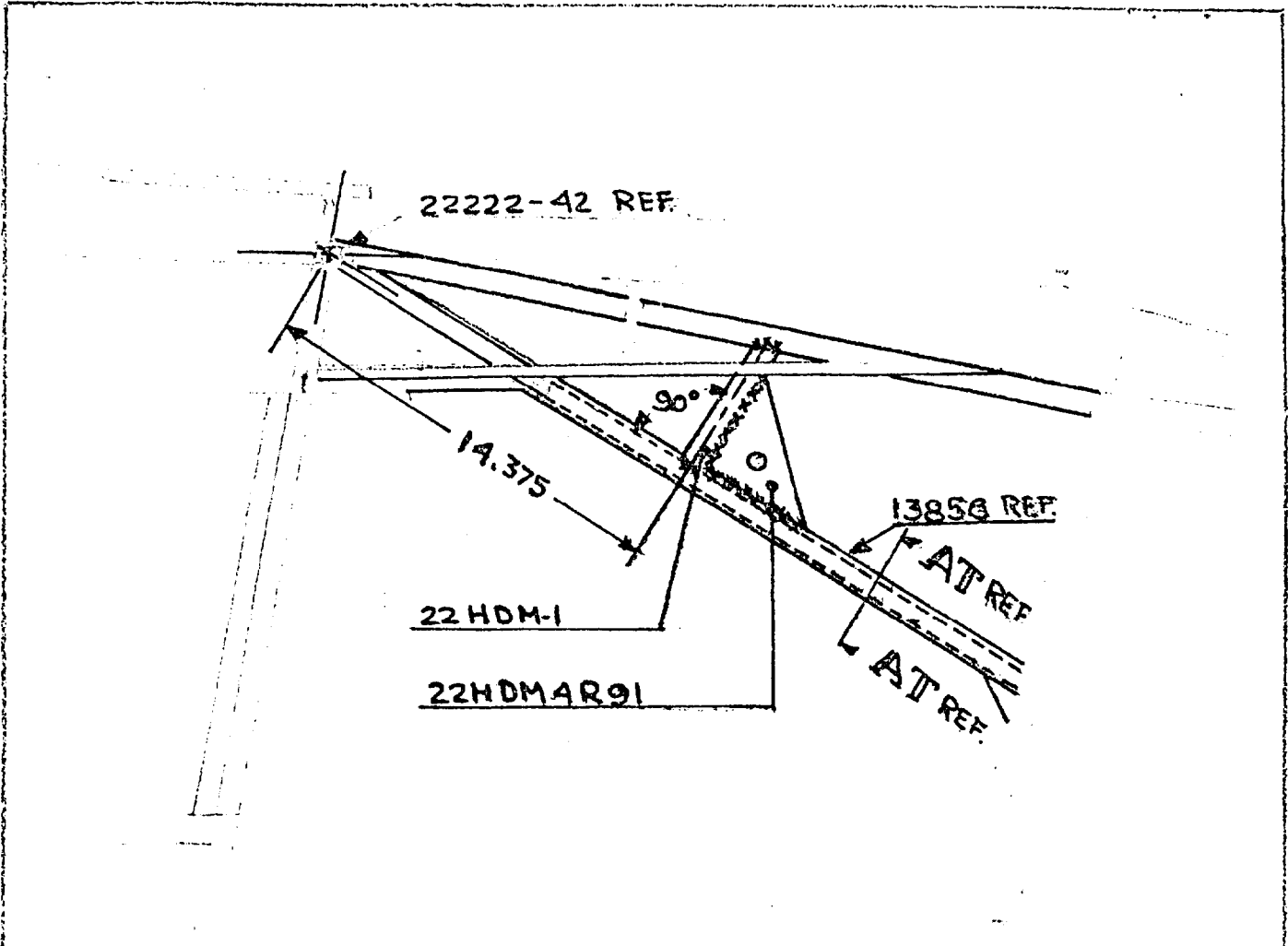
Photo

153³₂₀

TUBING - 4130N .035 WALL THICKNESS
5/8" DIAMETER X 5-1/2" IN LENGTH.
ENDS TO BE FORMED TO MATE WITH
EXISTING FUSELAGE TUBING, PER 43.13-
1A, SECTION 2 (2-REQUIRED)

TUBING - SHOULDER HARNESS MODIFICATION		
FOR PA-22 S/N 1601 N 3326A		
SCALE N/A		
APPROVED:		SUMMITTED H. J. DOLL
		BY: AP 332286335
DR. BY: HJD	DATE: 7-14-82	DRAWING 22HDM-1
CK. BY:		

Shot



WELD NOTE: 3/16" FILLET WELD - BOTH SIDES

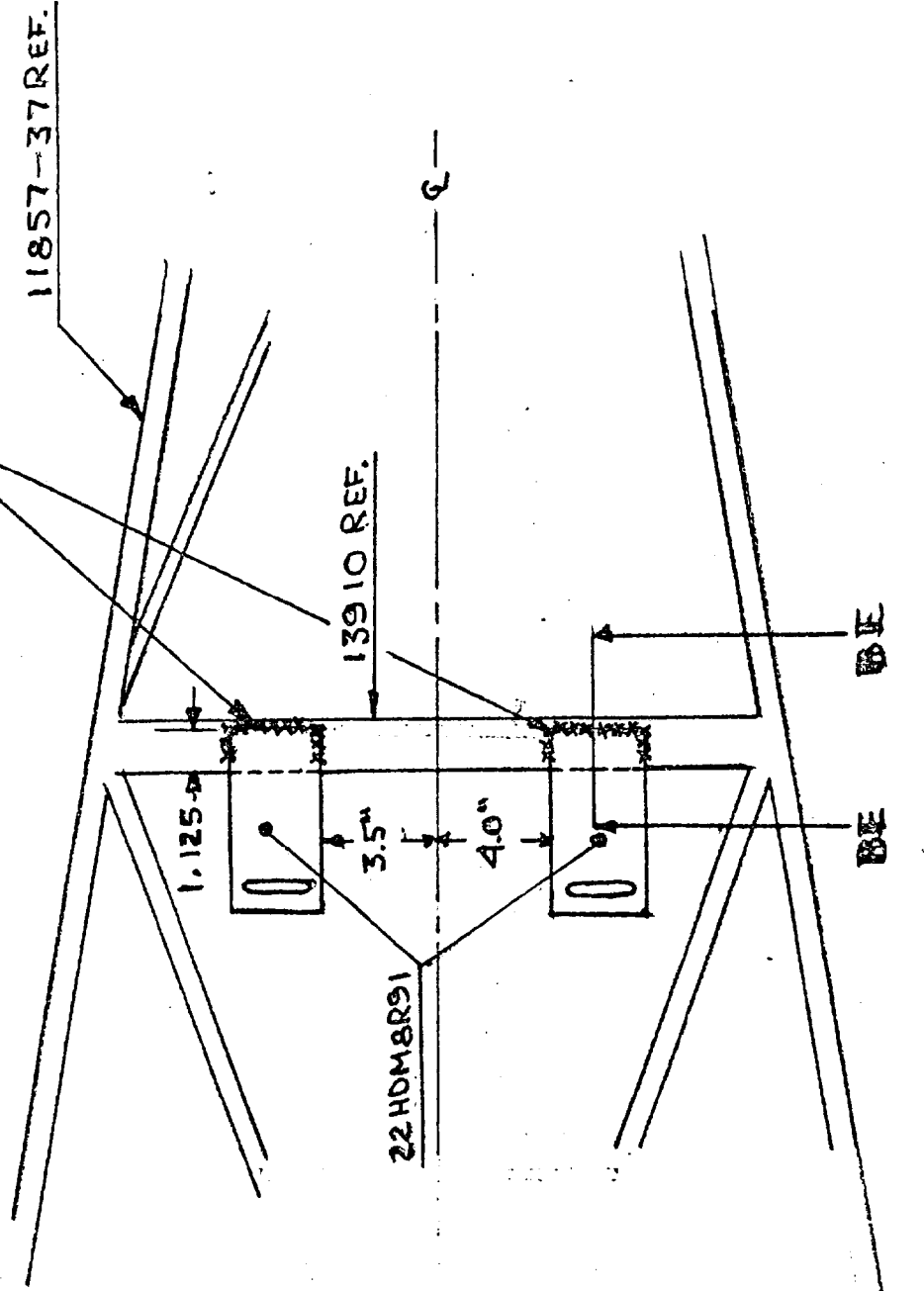
6076

REF. L.H. VIEW OF FUSELAGE
PIPER DRAWING 13808
FRAME ASSY. - FUSELAGE.

INSTALLATION FOR FRONT LEFT HAND PILOT SHOULDER HARNESS ATTACHMENT TO FUSELAGE - PA22 S/N1601 N3326A			
APPROVED		SUMMITTED HJDOLL AP332286335	
DR BY HJD	DATE	SCALE	DRAWING
CK BY	7-14-82	2" = 1'	HJD 1001

Shed

REF. TOP VIEW OF FUSELAGE - PIPER DRAWING
13808 - FRAME ASSY. - FUSELAGE



6690

INSTALLATION OF REAR PASSENGER SHOULDER HARNESS ATTACHMENT TO FUSELAGE

DR. BY HJD
CK BY

DATE
7-14-82

SCALE
2" = 1'

APPROVED

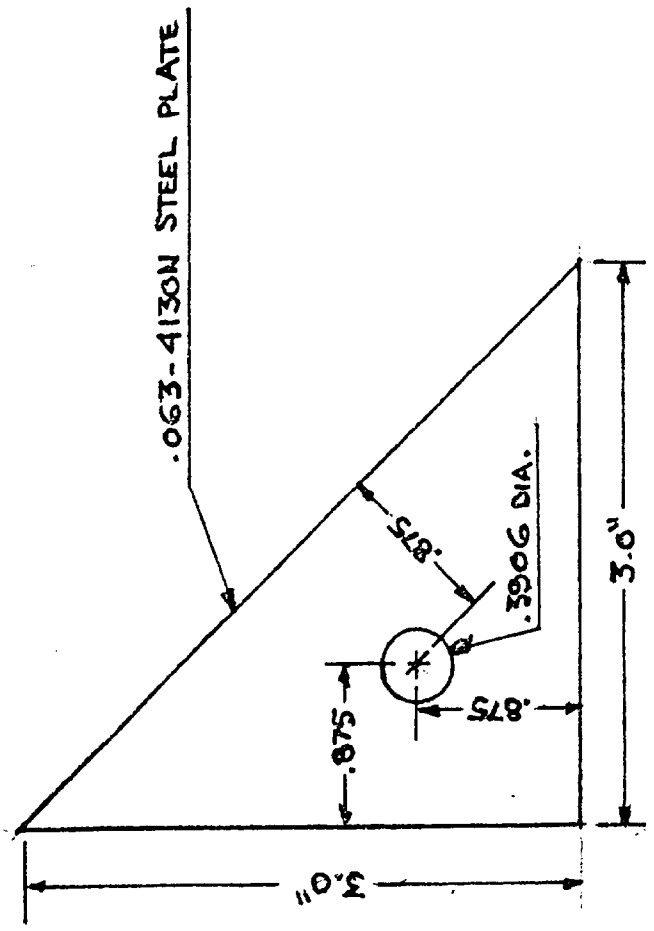
SUBMITTED H J DOLL AP 332286335

PA22 S/N 1801 N3326A

DRAWING HJD 1002

Phot

75%



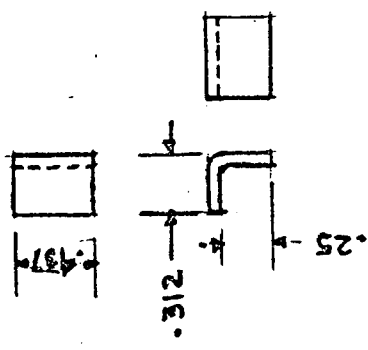
GUSSET PILOT & FRONT PASSENGER - SHOULDER HARNESS MODIFICATION
 FOR PA 22 S/N 1601 N 332GA (2 REQ.)

APPROVED H. J. DOLL AP 332286335

DR. BY HJD	DATE 7-14-82	SCALE FULL	DRAWING	22HDM-2
CK. BY				

Handwritten mark

758



LUG RETAINER PILOT & FRONT PASSENGER SHOULDER HARNESS MODIFICATION
 FOR PA22 S/N 1601 N 3326A (2 REQ.)

APPROVED SUBMITTED H. J. DOLL AP 332286335

DR. BY: HJD
 CK. BY:

DATE
 7-14-82

SCALE
 FULL

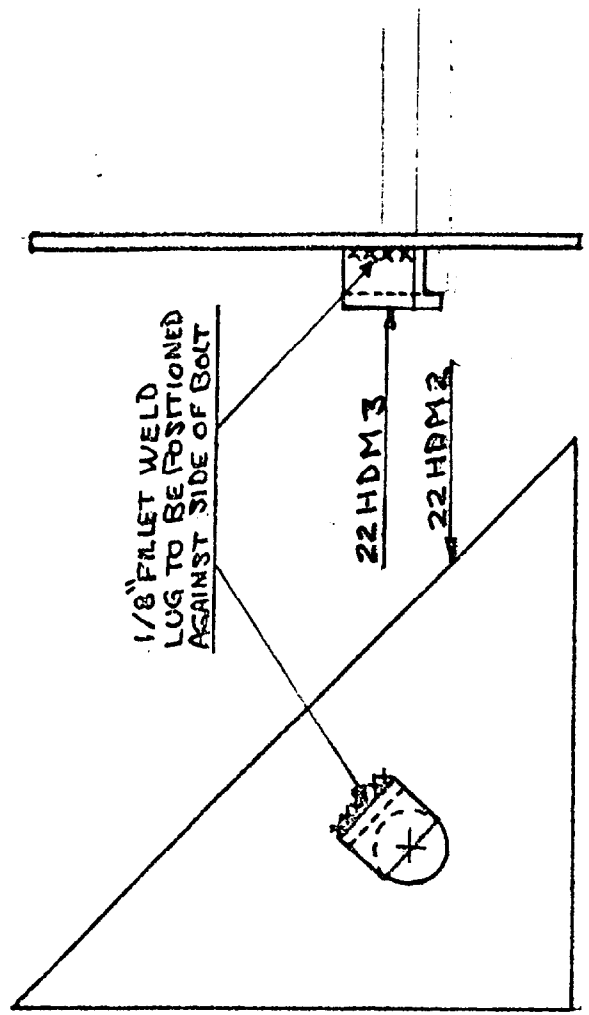
DRAWING

22HDM-3

Rhot

NOTE L-H. SHOWN, RH - OPPOSITE

750



FRONT SHOULDER HARNESS ATTACH ASSEMBLY - FOR MODIFICATION TO PA22

S/N 1601 N3326A

APPROVED

SUMMITTED H. J DOLL AP 332286335

DR. BY HJD

DATE

7-14-82

SCALE

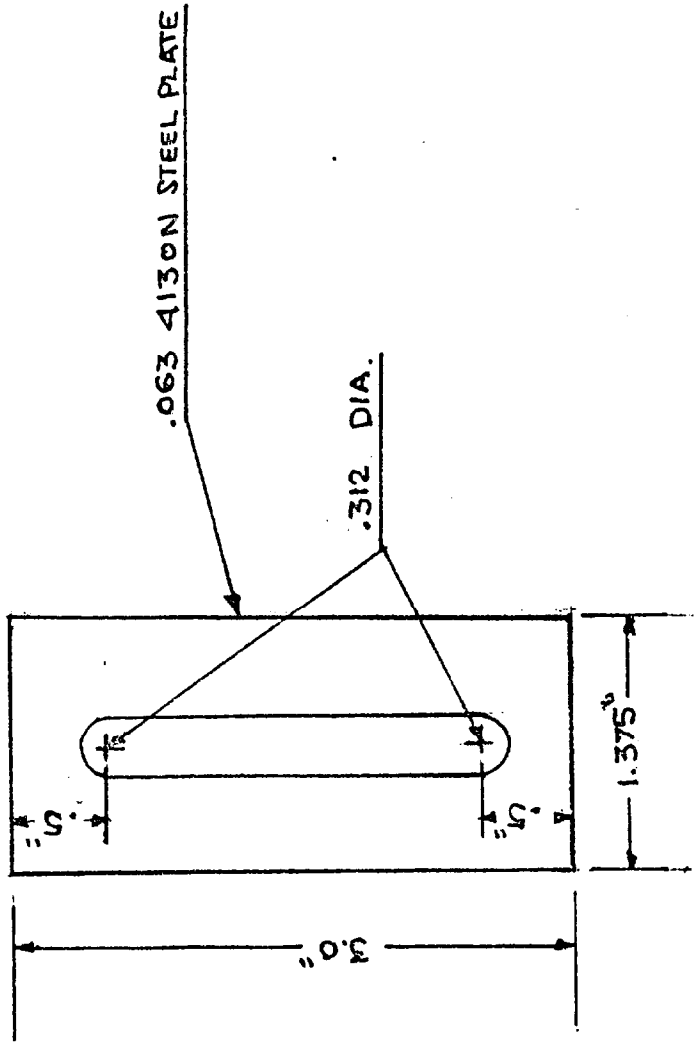
FULL

DRAWING

L.H. 22HDM4R91

R.H. 22HDM5R91

shot



7672

PLATE - REAR PASSENGER SHOULDER HARNESS MODIFICATION
 (2 REQ.) FOR PA22 S/N 1601 N3326A

APPROVED _____ SUBMITTED HJ DOLL AP 332286335

DR. BY HJD	DATE	SCALE	DRAWING
CK BY	7-14-82	FULL	22HDM-6

shot

2/28/82

.063 4130N STEEL PLATE

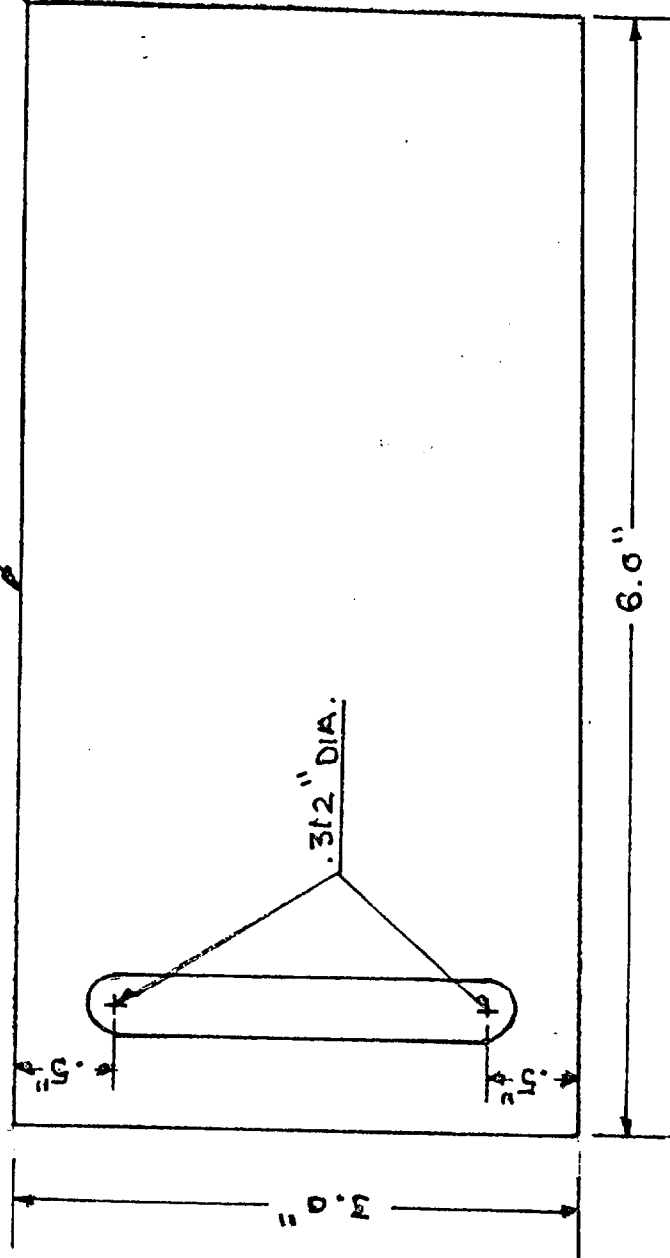


PLATE - REAR PASSENGER SHOULDER HARNESS MODIFICATION
 (2 REQ.) FOR PA 22 S/N 1601 N3326A

APPROVED H.J. DOLL AR 33228 G 335

DR. BY HJD	DATE 7-14-82	SCALE FULL	DRAWING
CK BY			22HDM-7