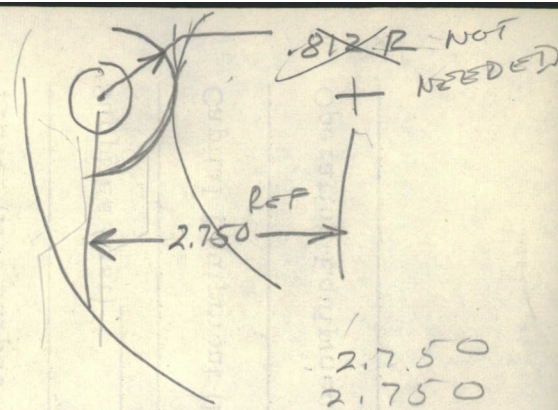


①

~~3.375~~
~~.850~~
3.500

1.687
3.375

3.812



3.312
.250
3.562
250
3.812

2.750
2.750
5.500
3.812

2 1.678
3.812
5.839

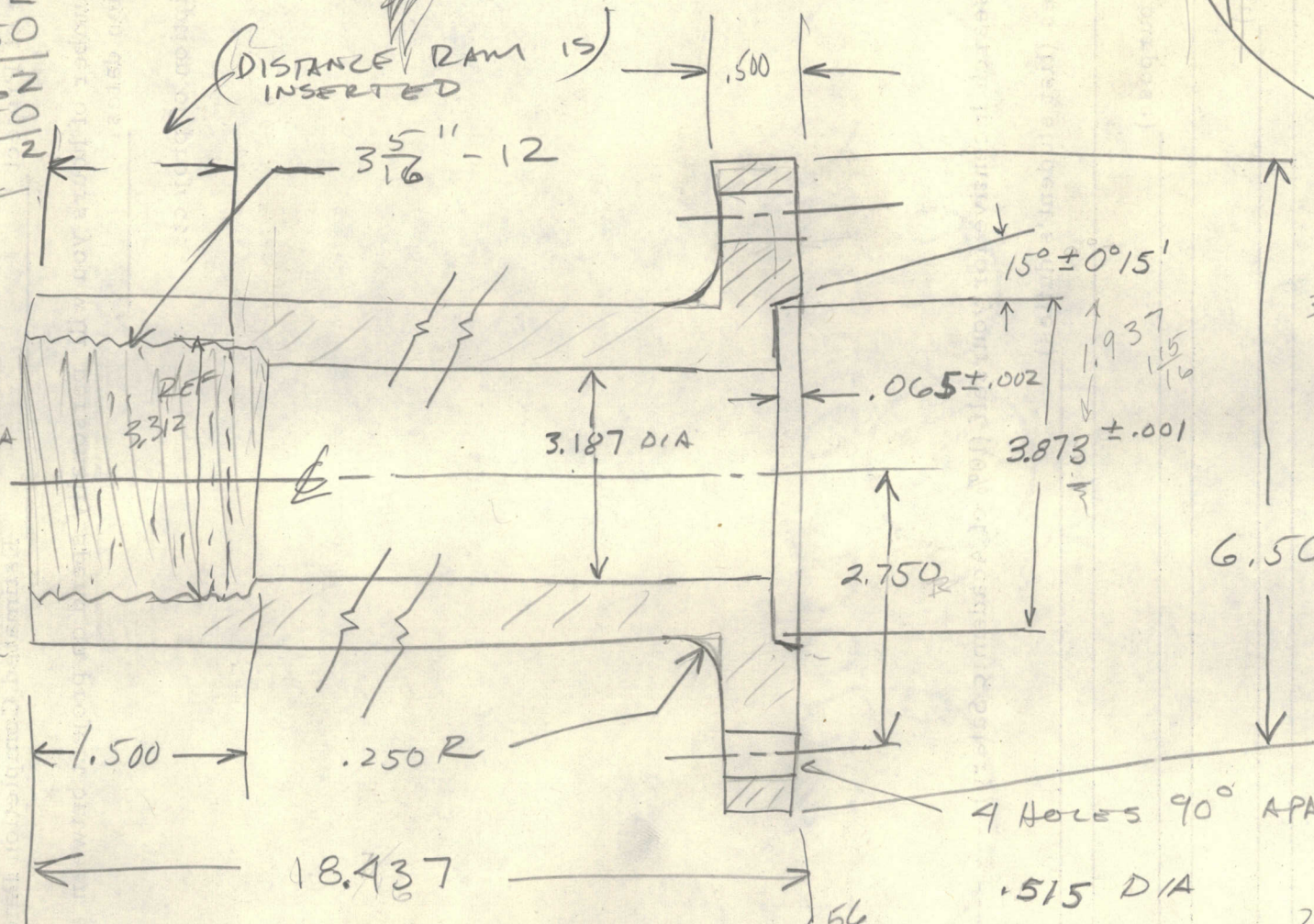
3.876
3.872
.004

4.33
2 1.866
1.593
2 3.187

1.935
2 3.87

1.901
2 3.812
1 29
32

1.656
2 3.312



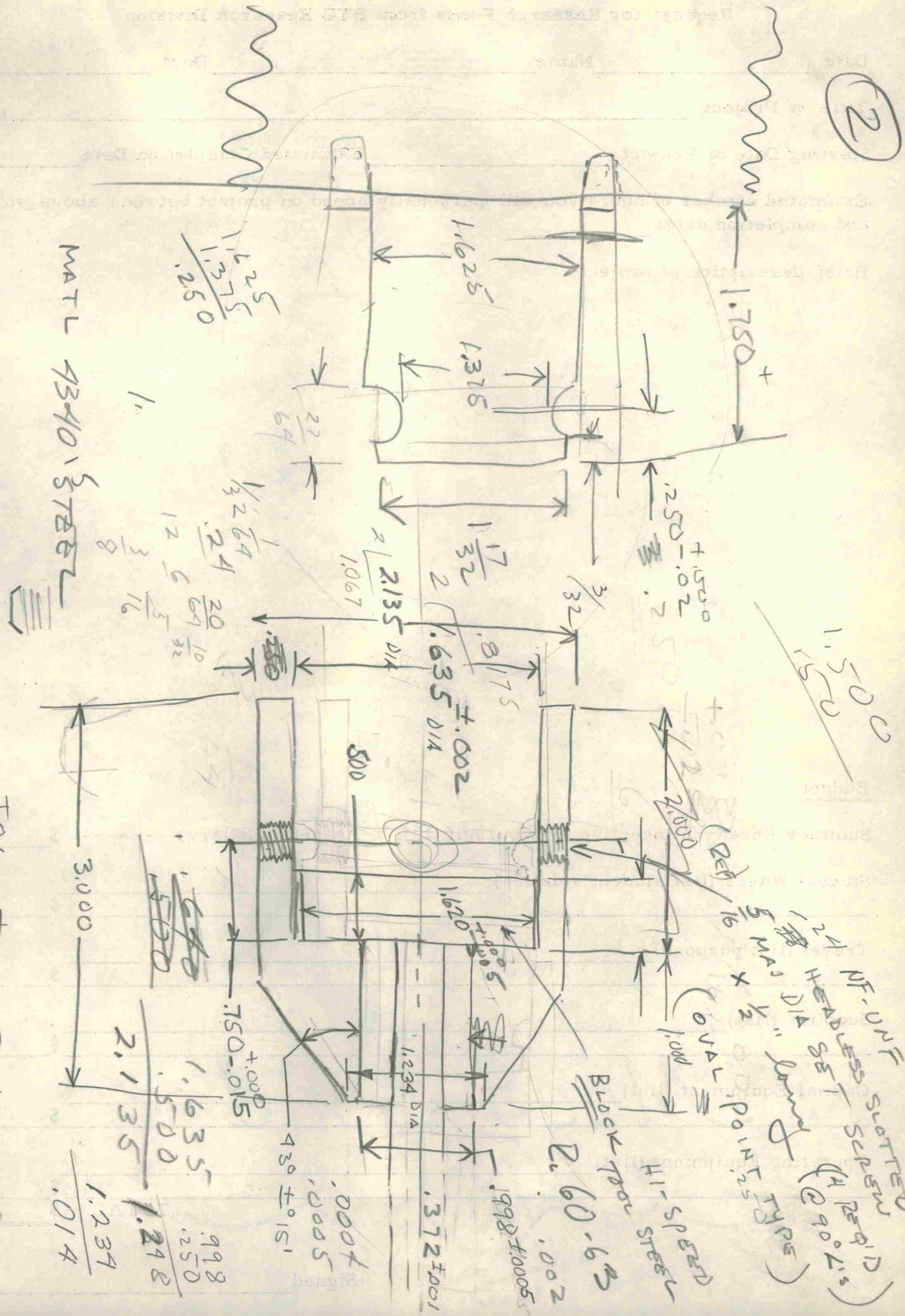
4340 STL

PC 28-32 RAM SUPPORT
FOR

HYDRO-STATIC PRESS

TOL ±.005 UNLESS
OTHERWISE SPECIFIED

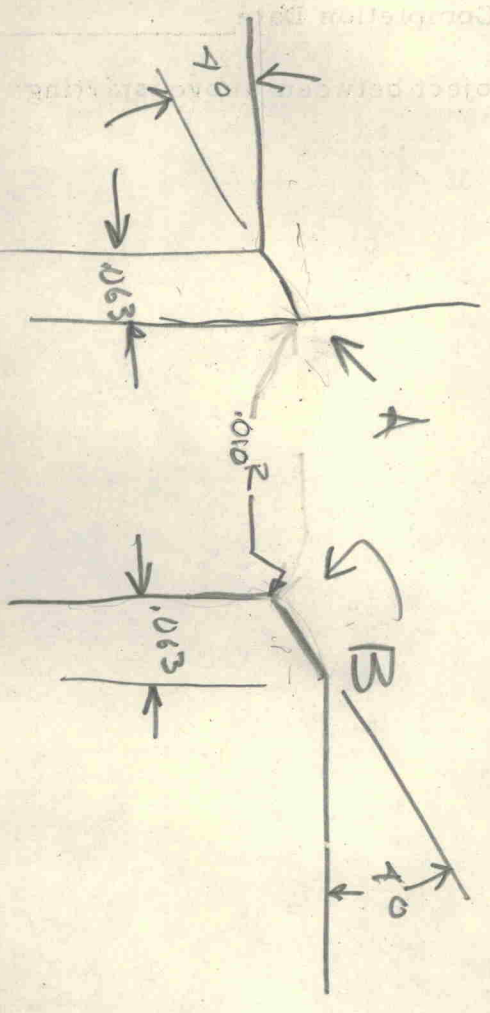
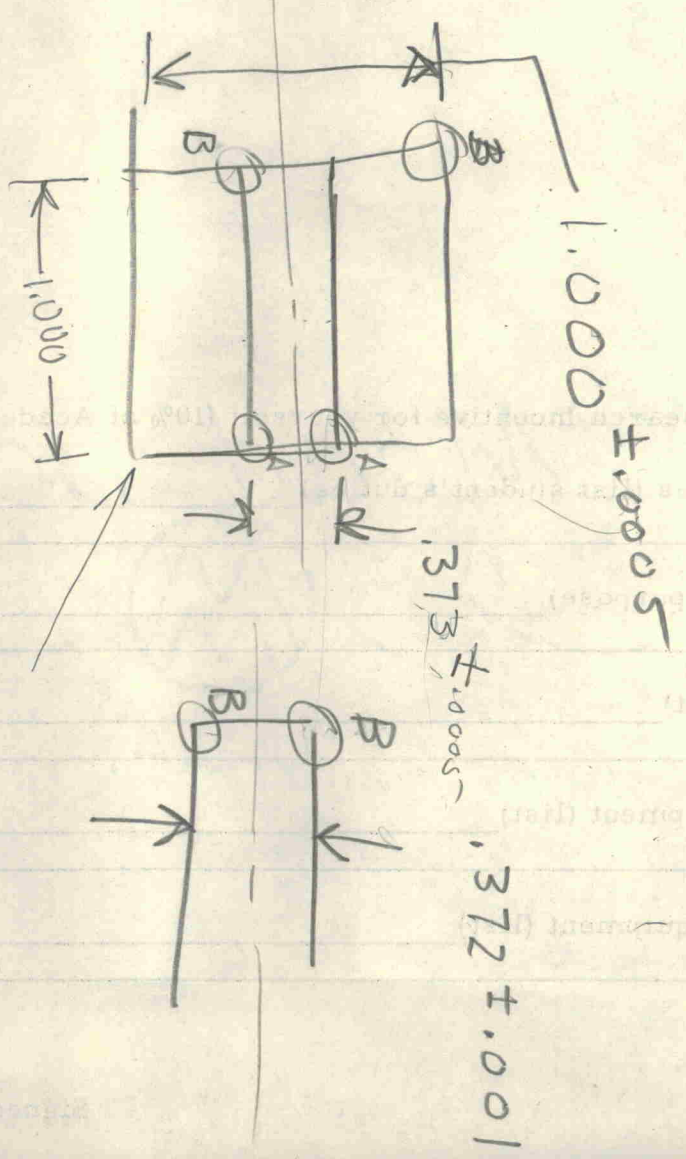
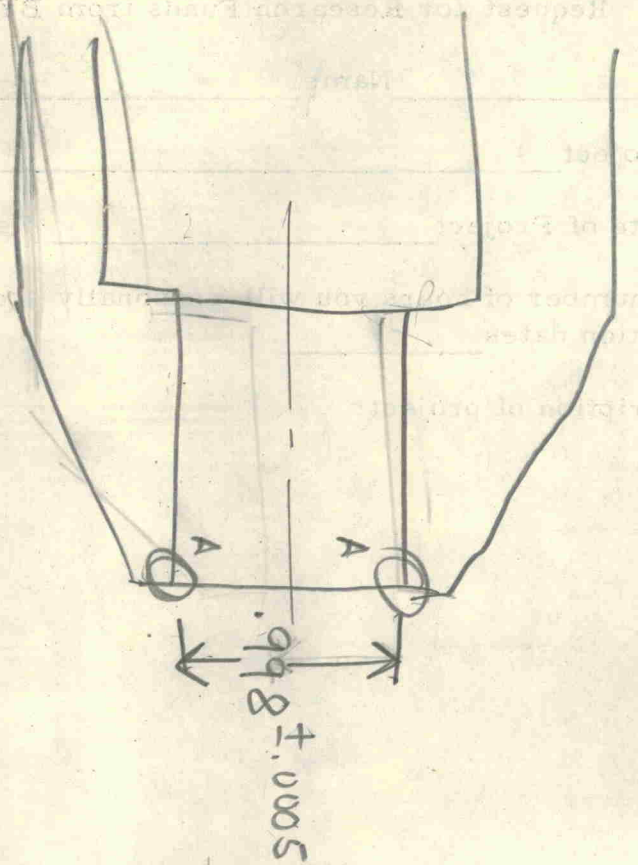
2



TOP ± .005 ± NOTED

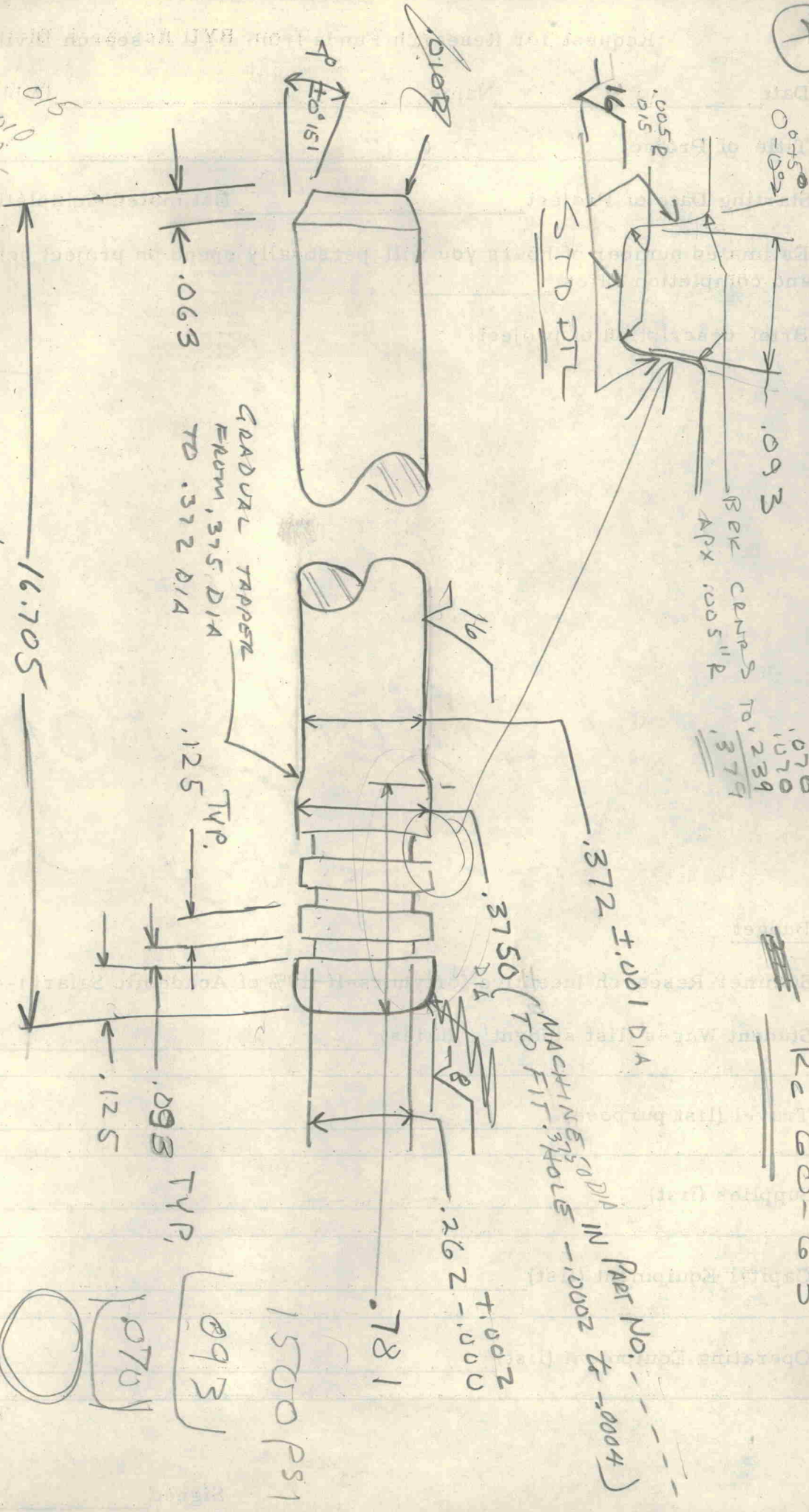
63

3



IN SPEED TOOL STEEL
RC 60-63

4

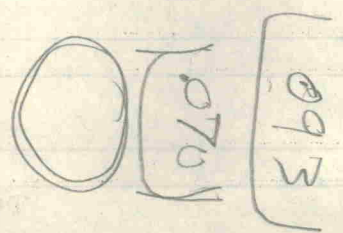


MATL: H1-SPEED TOOL STEEL

Re 60-63

$\frac{.070}{.1070}$
 $\frac{.1070}{.239}$
 $\frac{.239}{.379}$

1500 PSI

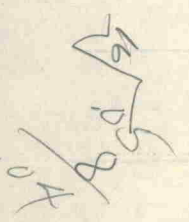


O-RING-GARLOCK 24849-5

NOTES
BRERK ALL SHARP CORNERS

TOL ±.005

WALLS & MINOR DIA OF O-RING GROOVES TO HAVE \sqrt{R}



PARTS LIST

5

TITLES

1000 - FINAL ASSEMBLY

~~1001 - RAM~~

1002 - RAM - SUPPORT

1003 - ~~RAM~~ → BACKUP DISC

1004 - ~~RAM~~ PISTON ADAPTER

1005 - ~~RAM~~ PISTON & PLUG HOLDER & INSERT

1006 - ¹/₂ RAM ~~RAM~~ PISTON & SEALING PLUG DTL'S

1007 - SUPPORTING RING CLAMP

1008 - PRESSURE CYLINDER

1009 - COMPRESSION RING

10010 - ¹/₂ TENSION RING
HOLE FOR THERO COUPLE

1010 - SAFETY RING

1012 - UPPER ~~RAM~~ RING CLAMP

~~1013 - SEALING PLUG~~

~~1011 - STATIC PISTON BACKUP DISC~~

1013 - ^{PLUG} ~~STATIC PISTON~~ ADAPTER PLATE

1014 - ~~RAM~~ BACKUP CAP closure

1015 - HANDLE

12
ABZ
.187
- .125

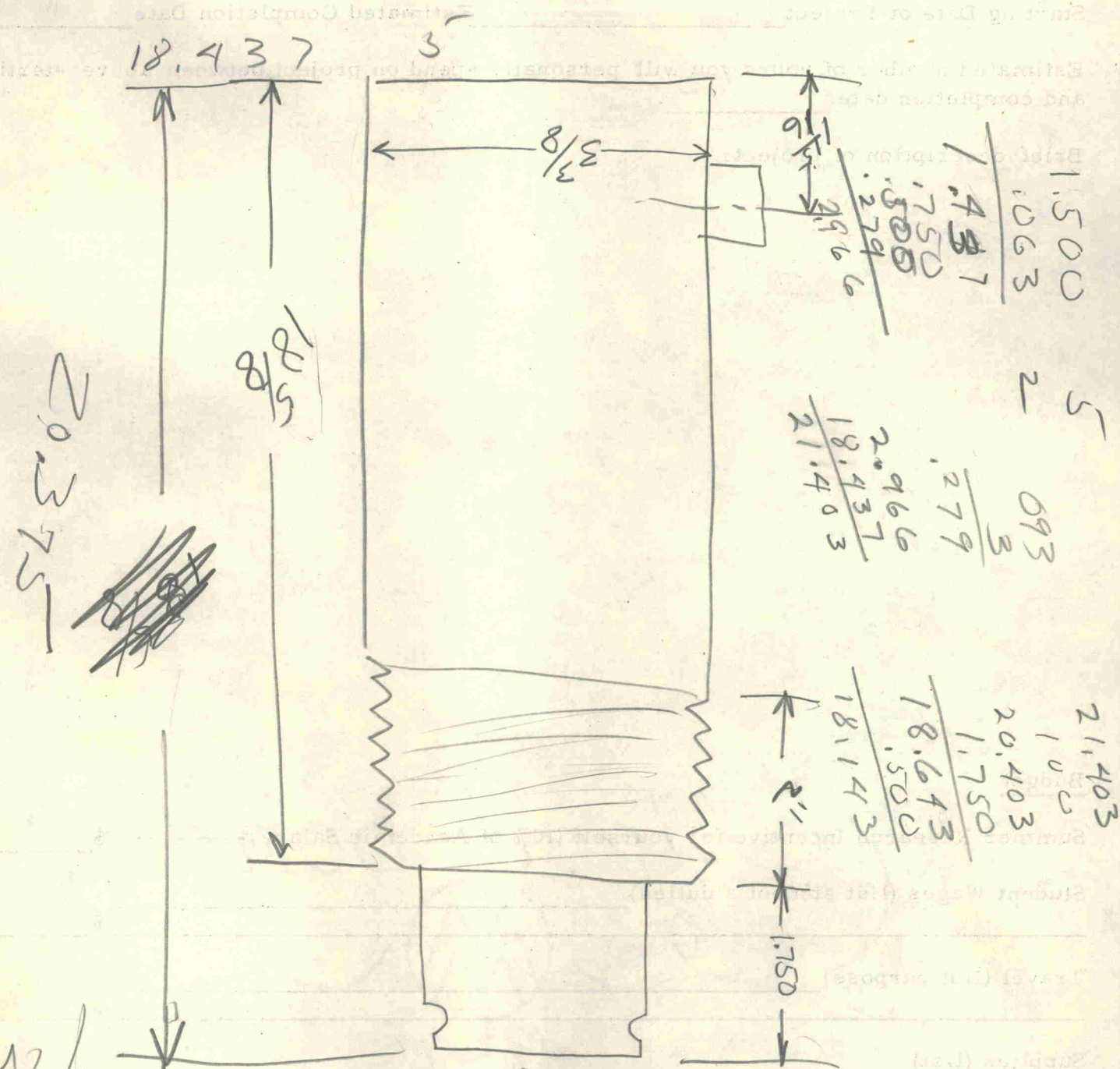
750

11.343
4

11 3/32 A 5.372
3" LG
458

LENGTH OF RAMMING PISTON

10



1.500	5	0.93
1063	2	3
<u>1437</u>		
.750		
.500		
<u>.279</u>		
2.966		
18.437		
<u>21.403</u>		

21.403	
100	
20.403	
<u>1.750</u>	
18.643	
<u>.500</u>	
18.143	

~~18.5~~
20.375

1.750
18.625
20.375

FOR
DETAILS
SEE SHIT 2

M/8
M/4
M/32

Request for Research Funds from BYU Research Division

Date _____ Name _____ Dept. _____

Title of Project _____

Starting Date of Project _____ Estimated Completion Date _____

Estimated number of hours you will personally spend on project between above starting and completion dates _____.

Brief description of project:

LENGTH RAM ROD - PISTON

18.437 5
3.250 45 - O.D. TH
 15.187 50
 1.500 5

1,000 20
 1,750 20
1,500 5
 3,230

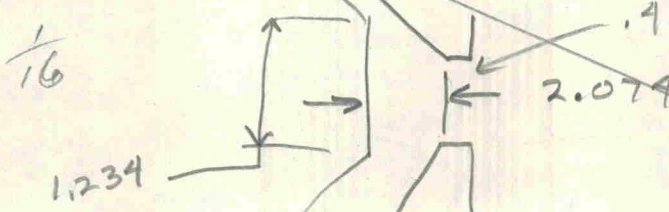
16.687 55
 .063 2
16.624 57
 .750 5
 .781 5

1.000 5
 .781 5
 .750 5
 .050 -5
13,500 2

18.155 1067

LENGTH OF PISTON

16.081 +17
 -22
 .480 ± .001 DIA
2.074



Budget

Summer Research Incentive for yourself (10% of Academic Salary)----- \$ _____

Student Wages (list student's duties) _____ \$ _____

Travel (list purpose) _____ \$ _____

Supplies (list) _____ \$ _____

Capital Equipment (list) _____ \$ _____

Operating Equipment (list) _____ \$ _____

TOTAL \$ _____

Signed _____

06

1.75 20
5
5
5

.125

35 - $\frac{1}{32}$ - $\frac{1}{16}$

.250

22

.781

.750

.050

.625

13.500

15.706

1.000

16.706

2

.781

2.750

.050

.625

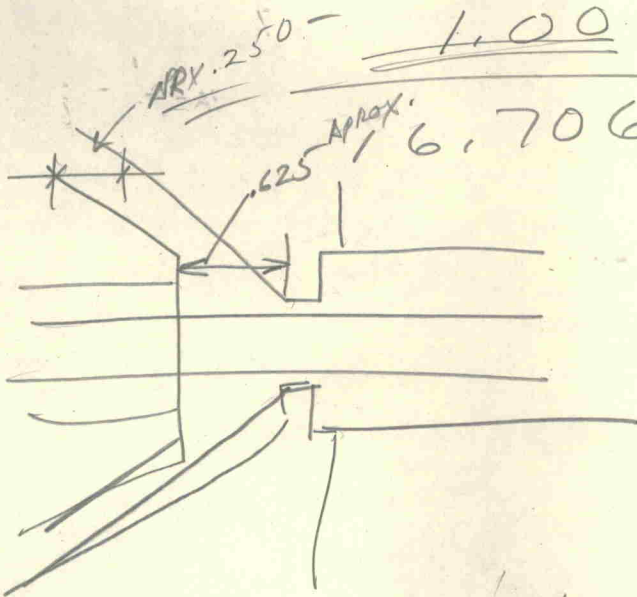
1.000

13.500

16.706

5-10-64

LATH OF PISTON



16.706

.500

5

1.750

20

1.000

~~20~~

18.956

.781

5

.750

5

1.531

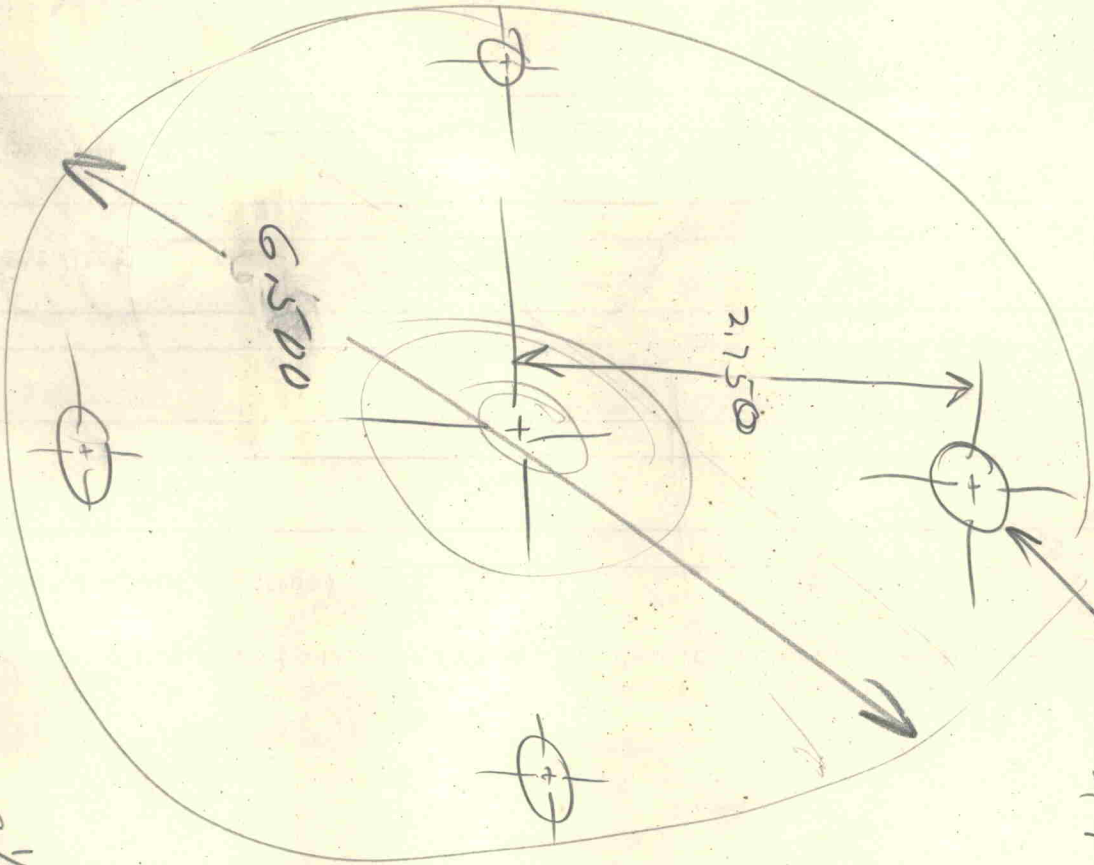
.050

1.481

18.956

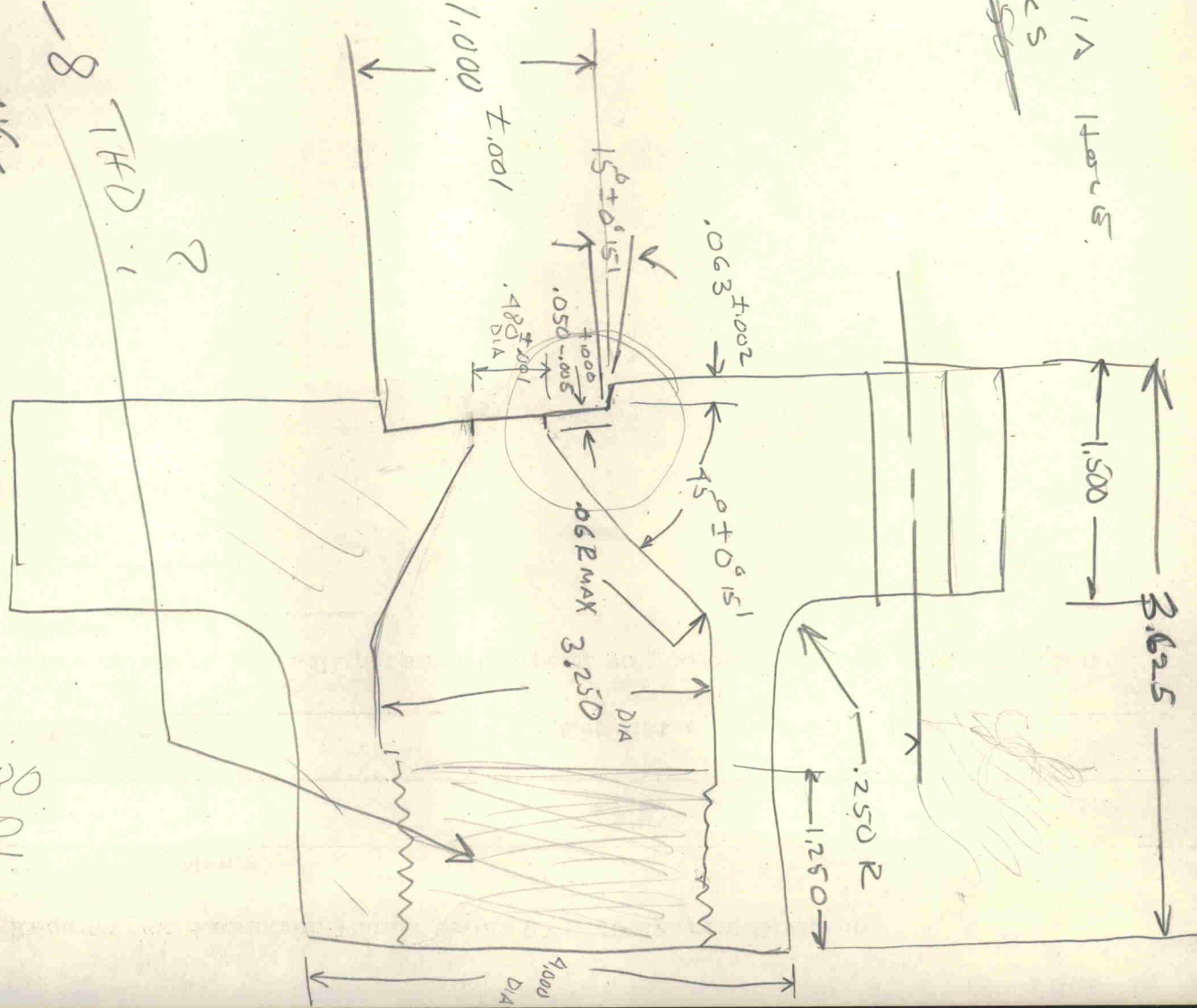
1.481

17.475



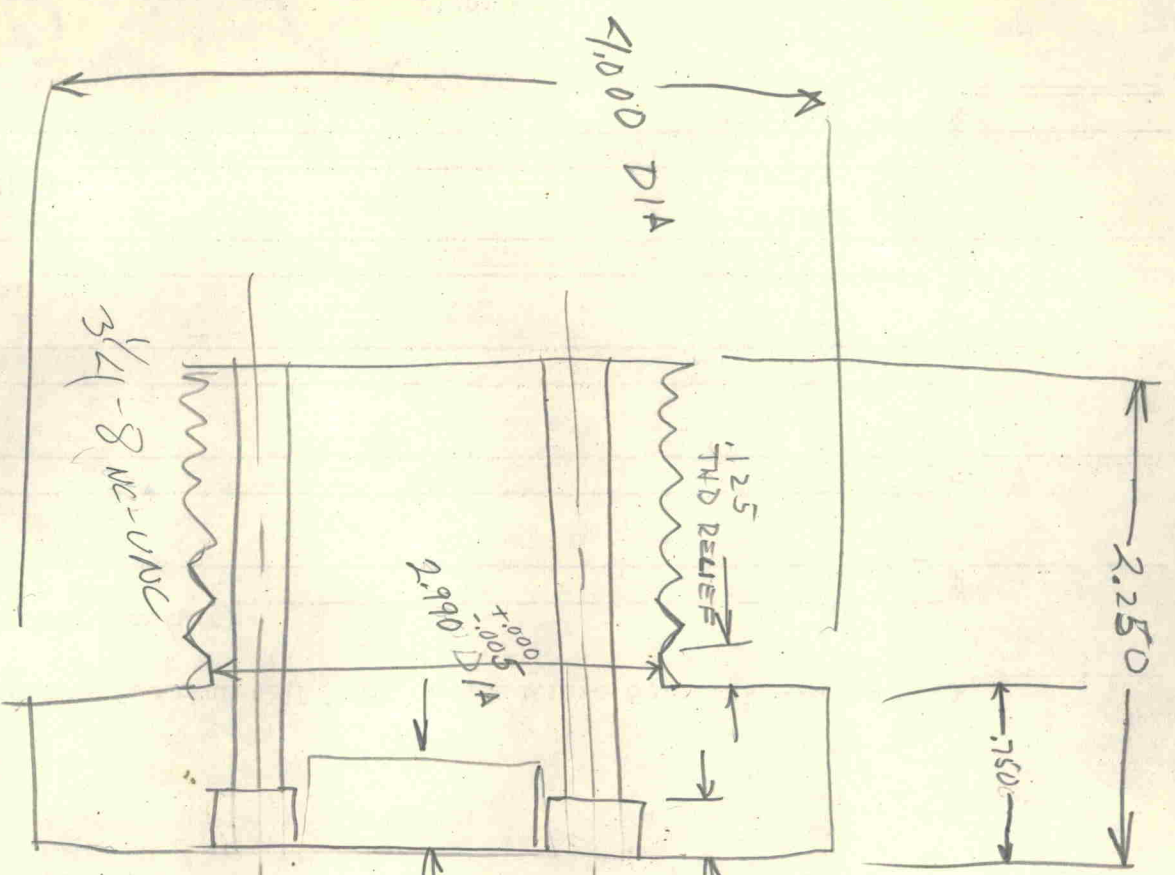
.515 DIA 4 PICS
1.50

3/4 - 8 THD :
UNC-UNC ?



480
480

960

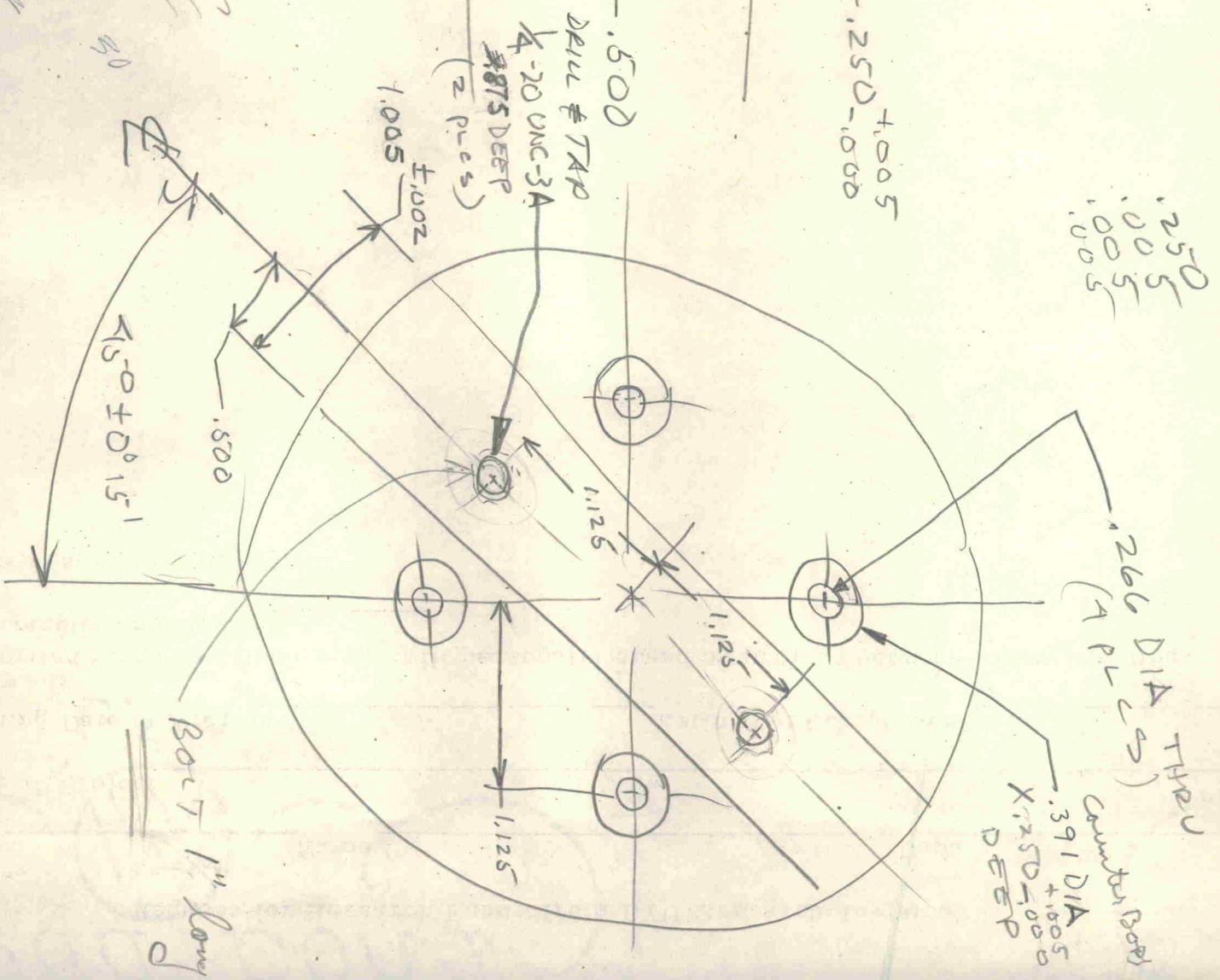


1 1/5
2.250

3/4-8 UNC-UNC THD

2 GR 2 HRS

30

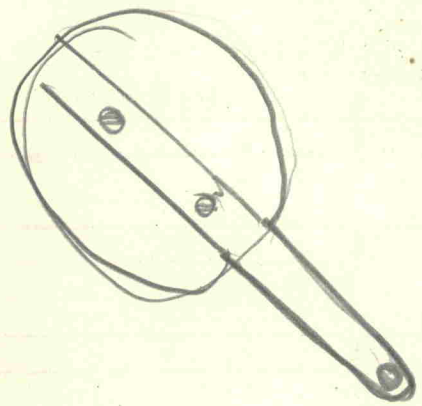


.250
+005
-005

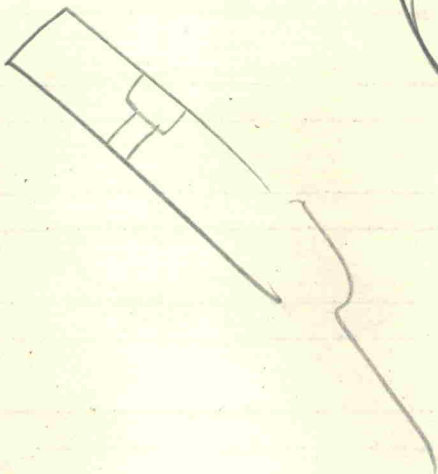
.266 DIA THRU
(4 P.C.S.)

Counter Bore
.391 DIA
+1.005
-1.000
DEEP

BOLT 1/4" long

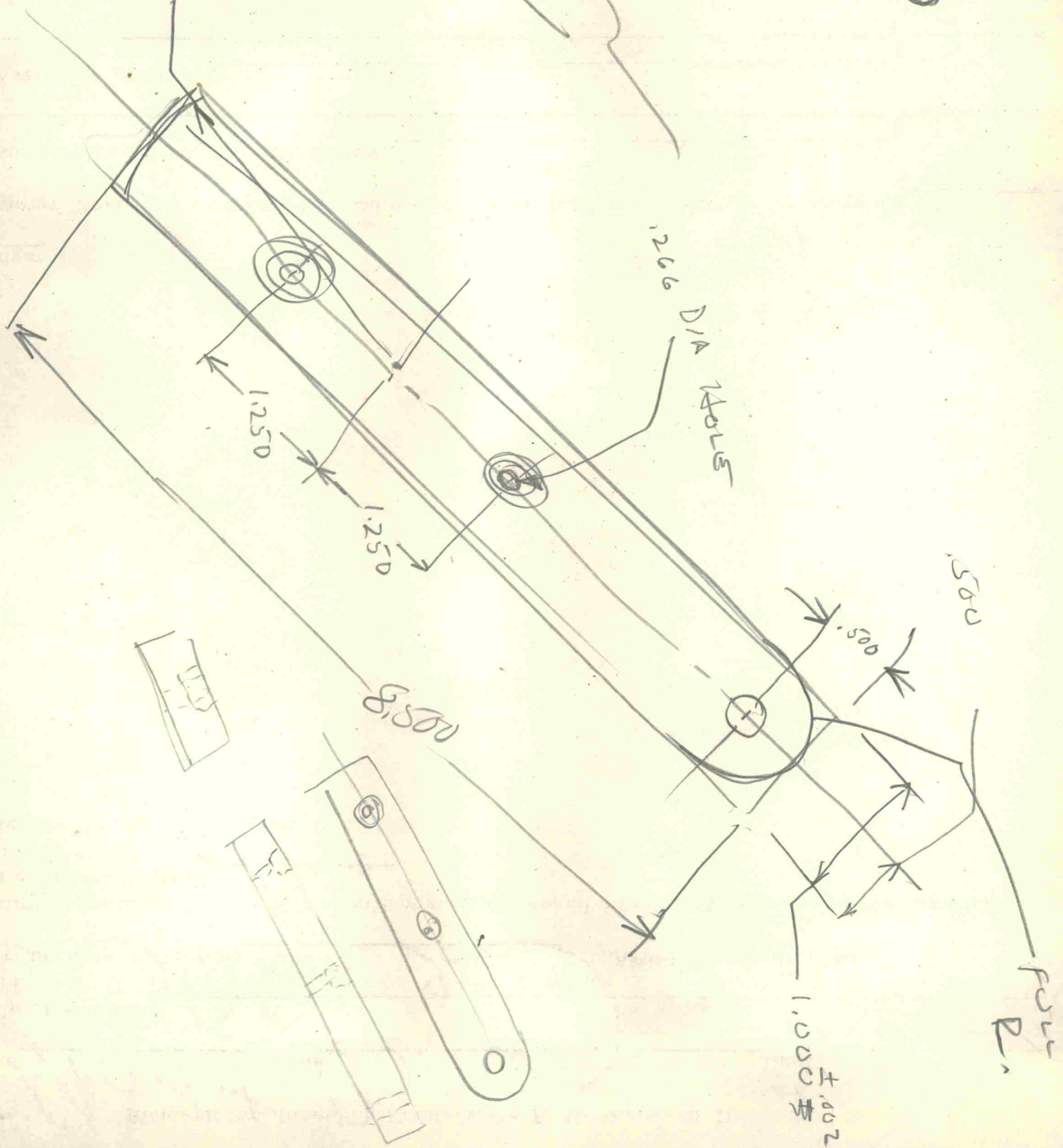


1.500



2.000 R

1.266 DIA HOLES

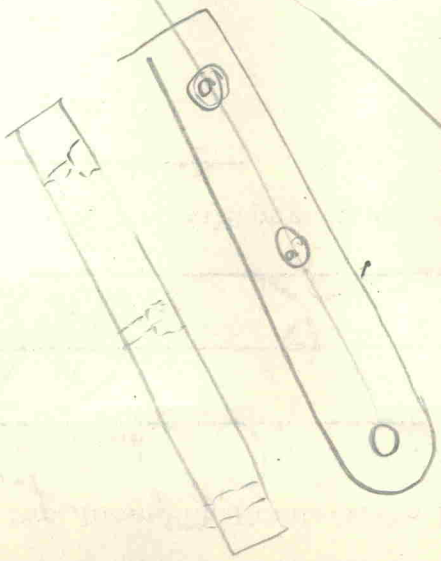
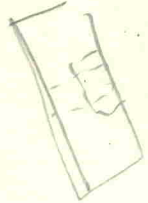


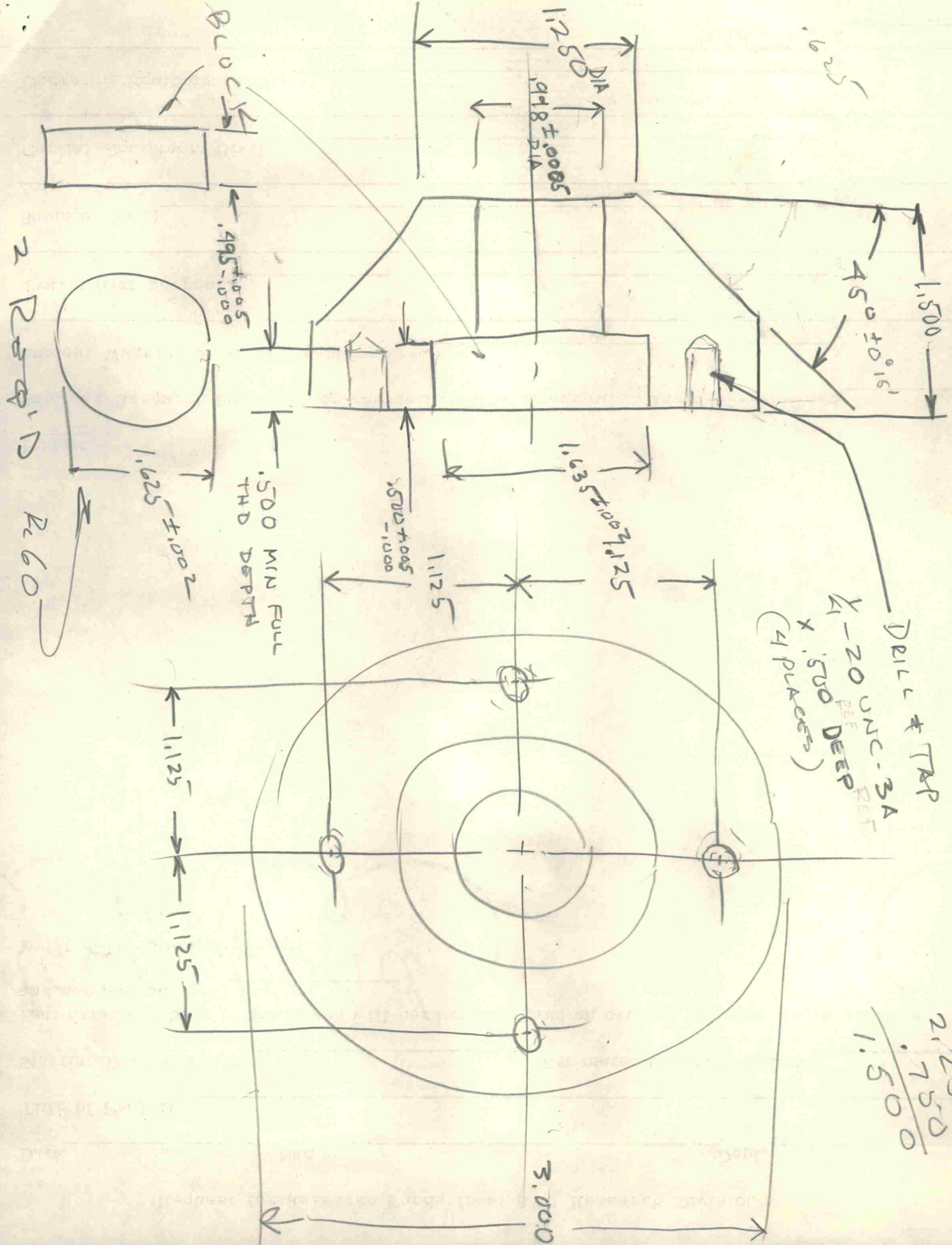
1.500

1.000 ± .002

four

8.500







CALIFORNIA *Metal Enameling* COMPANY

6904 EAST SLAUSON AVE.
LOS ANGELES 22, CALIF.
RAymond 3-6351

Sept. 5, 1958

Brigham Young University
Provo, Utah

Attn: Mr. H. Tracy Hall
Director of Research

Gentlemen:

We are enclosing with this letter a larger sample of the one mil stainless steel foil which you requested, coated with A418 ceramic material.

This type of job can also be done with less refractory glasses on aluminum foil, but has not been done on plain carbon steel foils.

You are welcome to experiment with the sample enclosed. Please let us know if we can be of further assistance, and if any of the information concerning your experiment is published, we would appreciate receiving a copy.

Very truly yours,

H. V. Penton
Vice President

HVP/mp