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<td>2-400</td>
<td>R. F. Switch Rotor, Top</td>
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<td>R. F. Switch Rotor, Bottom</td>
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<td>R. F. Switch Rotor Assembly</td>
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<td>2-403</td>
<td>Barrier</td>
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<td>2-404</td>
<td>Barrier Lock Ring</td>
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<td>Barrier Support</td>
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<td>R. F. Switch Stator, Top</td>
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<td>2-408</td>
<td>Upperswitch Support</td>
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<td>Lowerswitch Support</td>
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<td>Bearing Thrust Spring</td>
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<td>Miter Joint Wave Guide</td>
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<td>Bearing Support Shaft</td>
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<td>2-417</td>
<td>Pillbox Mounting Arm</td>
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<td>Lower Seal Ring</td>
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<td>Differential &amp; Gears</td>
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<td>Gearshaft Bearing Housing</td>
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<td>Protector Cover</td>
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<td>Differential Support Shaft, Bracket &amp; Gears</td>
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<td>2-436</td>
<td>Servo Lower Bracket</td>
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<td>Angle Frame Assy</td>
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<td>2-446</td>
<td>Base Plate</td>
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<td>2-447</td>
<td>Bearing Unit Cover</td>
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OCT 30 1957

Received for Storage
Bearing Unit Mount
V-Belt Sheaves Assembly
Disc Support Frame
Azimuth Marker Disc
Azimuth Marker Disc Hub
Shaft Supports
Shaft Bearings
Computer Dial -
Computer Inside Dial
8 Dial Shaft Mounting Bracket
Computer Brackets
Computer - Computer Dials-T, FS, & 8
Computer - Inside Dials-T, FS, & 8
Computer Crank Shaft Brackets
Computer Dial Gear Brackets
Computer Dial Gear Brackets
Computer Parts for 8, 8 + , 8 -
Computer Bracket Bearings for 8
Computer Worm Shaft Bracket Bearings 8 + , 8 -
Computer Helipot & Rack Guide Brackets Cos 8 & Cos (8 + )
Computer Shaft Collars & Sleeves Helipot Parts
Computer Helipot Shaft Parts; Sleeves for Shafts & Gear Bracket
Helipot Bracket Sin 8
Computer Counter Gear Brackets
Computer Counter Helipot Brackets
Computer Counter Bearings
Computer Counter Parts - AD & AR, Shaft Extension & Support-R
Computer Limit Switch Bracket-F, E
Computer Motor Mount T, FS, 8 &
Computer Motor Mount Parts AD & AR F, E.
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<td>Hog Horn</td>
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<td>Belt Drive Assy.</td>
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<td>Antenna Shield</td>
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<td>Safety Screen</td>
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<td>Junction Box Mount</td>
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<td>Transmitter Mount</td>
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<td>Servo System Assembly</td>
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<td>Photo-Electric Cell Housing</td>
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<td>Computer Panel</td>
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<td>Computer Upper Mounting Plate</td>
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<td>3-422</td>
<td>Computer Upper Mounting Plate Supports</td>
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<td>3-423</td>
<td>Computer Rack Bar; Slides Arms &amp; Worm Gear Shaft Arm</td>
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<td>3-424</td>
<td>Computer Counter-Mounting-Plate</td>
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4-01 Antenna Assembly
### CAUTION...

All dimensions given in inches—work to dimensions—do not scale—tolerances permissible, unless otherwise specified: common fractions & decimals.

### MATERIAL
- Brass

### TABLE

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### ANNEX
- Drawing 2-400
- Sheet 2/2
- Date: 9-20-48
CAUTION...

ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE—TOLERANCES PERMISSIBLE, UNLESS OTHERWISE SPECIFIED; COMMON FRACTIONS = 1/16 DECIMALS = .001

PROJECT NO. 124

STATE ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

BARRIER No. LOCK RING

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...CAUTION... 

ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE-TOLERANCES PERMISSIBLE (UNLESS OTHERWISE SPECIFIED) COMMON FRACTIONS = 1/32 DECIMALS = .001

DRILL & TAP FOR 4-48 SET SCREW

MAT'L—BRASS

PROJECT NO. 124

UNCLASSIFIED

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GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

BARRIER LOCK RING

No. Description of Change Ch. Date

This Print Made:

Dr. C.A.W.: Engr.

App.: Scale: Date:

2-404

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BARRIER LOCK RING

No. Description of Change Ch. Date

This Print Made:

Dr. C.A.W.: Engr.

App.: Scale: Date:

2-404

STATE ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

BARRIER LOCK RING

No. Description of Change Ch. Date

This Print Made:

Dr. C.A.W.: Engr.

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2-404
\( \frac{3}{16} \text{ DRILL, 2 HOLES} \)

...CAUTION...

ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE-TOLERANCES PERMISSIBLE, UNLESS OTHERWISE SPECIFIED; COMMON FRACTIONS \( \pm \frac{1}{64} \) DECIMALS \( \pm .001 \)

MAT' L - BRASS

I READ BRASS

<table>
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STATE ENGINEERING EXPERIMENT STATION
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ATLANTA, GEORGIA

BEARING SUPPORT
LOCK RING

This Print
Made:
Dr. WONG
Engr.
App'X
Scale: FULL
Date: 9-16-48
PROJECT NO. 124
60° MITER J OINT
STD WAVE GUIDE

BRASS PLUG (SOFT SOLDER)

DETAIL - A
SCALE: 1" = 2'

...CAUTION...
ALL DIMENSIONS GIVEN IN INCHES - WORK TO DIMENSIONS - DO NOT SCALE - TOLERANCES PERMISSIBLE, UNLESS OTHERWISE SPECIFIED. COMMON FRACTIONS = - DECIMALS = .001

N/A - BRASS

PART NO. NAME NO. REQD. MAT. OR SUPPLIER

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GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

MITER J OINT
WAVE GUIDE

MATERIAL

D.

DESCRIPTION OF CHANGE

DATE

PRINT

REV.

PROJECT NO.

ARCHIVES ONLY

UNCLASSIFIED
240D SEAMLESS STEEL TUBING

SLOT, 8 WIDE, 1/2 LG (APPROX)
4 REQ'D, 20 SPACED

---CAUTION---
ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE—TOLERANCES PERMISSIBLE (UNLESS OTHERWISE SPECIFIED)—COMMON FRACTIONS ± 1/64, DECIMALS ± .001

MAT'L-ST'L 3 REQ'D

PILBOX MOUNTING ARM

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ATLANTA, GEORGIA

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**CONNECTOR RING**

**STATE ENGINEERING EXPERIMENT STATION**
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

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**CAUTION...**

ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE TOLERANCES PERMISSIBLE UNLESS OTHERWISE SPECIFIED (COMMON FRACTIONS ± 1/64 DECIMALS ± 0.001)

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This Print
Made:

Dr. C.A.W.
Engr.
App.

PROJECT NO. 124

---

Scale: HALF
Date: 10-12-48

---

PART NO. NAME NO. REQ'D. MAT. OR SUPPLIER
--- --- --- ---
101 SMALL-SIZE RODS PER ISLE (OR LESS) & R MAD proved SPECIFIED RODS & R

---

ARCHIVES ONLY

---

UNCLASSIFIED
ORILL #28 (406) & C'SK FOR #6.37 FLAT-HD SCREWS
8 HOLES EQLY SPACED

...CAUTION...
ALL DIMENSIONS GIVEN IN INCHES-NOM TO DIMENSIONS-DO NOT SCALE-TOLERANCES PERMISABLE (UNLESS OTHERWISE SPECIFIED): COMMON FRACTIONS = ___ DECIMALS = .001

MAT'L-STEEL

STATE ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

UPPER SEAL RING

PROJECT NO. 124

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UNCLASSIFIED

07/18/67
C.A.W.

2-422
MATCH DRILL #28 (1406) WITH Z-422 & C5K FOR #6-32 FLAT HD. SCREWS, 8 HOLES

...CAUTION...

ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS DO NOT SCALE—TOLERANCES PERMISSIBLE (UNLESS OTHERWISE SPECIFIED)—COMMON FRACTIONS & FRACTIONAL DECIMALS 2 SIGNIFICANT FIGURES

LOWER SEAL RING

MAT'L - STEEL

PART NO. NAME No. REV'D MAT'L OR SUPPLIER

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GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

LOWER SEAL RING

PROJECT NO. 124

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PUBLIC

UNCLASSIFIED
DRILL & 10 HOLES LOCATED AS SHOWN

DRILL #3 (.2130) & TAP 1/2-28 NF, 1 1/2" DEEP

MAT'L - STEEL

ARCHIVES ONLY

...CAUTION...

ALL DIMENSIONS GIVEN IN INCHES - WORK TO DIMENSIONS - DO NOT SCALE - TOLERANCES PERMISSIBLE (UNLESS OTHERWISE SPECIFIED); COMMON FRACTIONS ± 1/32, DECIMALS ± .001

UNCLASSIFIED

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ATLANTA, GEORGIA

UPPER GEAR HOUSING

PROJECT NO. 124

Sheet: FULL Date: 11-8-68

Dr. WONG

Engr.

Rev.

No. 125 3-428
DRILL #3(2130), TAP 1/4-28-NF

DRILL #10(1935), 2 HOLES
STEEL SHAFT

BOSTON GEAR H32192
WITH HUB MACHINED

MACHINE TO FIT INS. DIA
& WIDTH OF NEW DEPARTURE
BEARING #C488009

...CAUTION...

ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO
NOT SCALE-TOLERANCES PERMISSIBLE; (UNLESS OTHERWISE
SPECIFIED): COMMON FRACTIONS ± 1/32, DECIMALS ±.001

PART NO. NAME NO. REQ'D.

MAT. OR SUPPLIER

STATE ENGINEERING EXPERIMENT STATION
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ATLANTA, GEORGIA

PROJECT NO. 124

This Print: NEXT ASSEM.
Made: 3-108
Dr. WONG
Eng.: App. 2-428
Scale: FULL
Date: 11-18-38

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UNCLASSIFIED
ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE TOLERANCES PERMISSIBLE, (UNLESS OTHERWISE SPECIFIED)—COMMON FRACTIONS & DECIMALS ±.001

...CAUTION...

DRILL 3/8 INCH HOLE 12 HOLES SPACED AS SHOWN

DRILL 7/8 INCH HOLE 10-24 N.C 6 HOLES
**UNCLASSIFIED**

**STATE ENGINEERING EXPERIMENT STATION**
**GEORGIA INSTITUTE OF TECHNOLOGY**
**ATLANTA, GEORGIA**

**SEAL HOUSING**

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**CAUTION...**

ALL DIMENSIONS GIVEN IN INCHES-BORE TO DIMENSIONS OF 0.005 INCHES TO PREVENT COLLECTED PERMISSIBLE-EXCESS OVEREVALUATION-COMMON PRACTICES = 0.005 INCHES TO COLLECT.

**PROJECT NO.** 124

**SEAL HOUSING**

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**PROJECT NO. 124**

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**ARCHIVES ONLY**
WASHER, NEOPRENE 3 OR 4 REQ'D

...CAUTION...

ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE TOLERANCES PERMISSIBLE (UNLESS OTHERWISE SPECIFIED)—COMMON FRACTIONS ± 1/64, DECIMALS ± 001

2 REQ'D

PART NO. NAME NO. REQ.

STATE ENGINEERING EXPERIMENT STATION
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ATLANTA, GEORGIA

SEAL, SMALL

PROJECT NO. 124

2-432

Made: 3-432

Dr. WONG
Engr. App., 2-03
Scale: 4-1
Date: 2-3-49
...CAUTION...

ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE TOLERANCES PERMISSIBLE (UNLESS OTHERWISE SPECIFIED) COMMON FRACTIONS TO 5/32. DECIMAL 3/64.

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Differential Support Shaft, Bracket & Gears

No. Description of Change Ch. Date
This Print: 3-403-A
Made: 3-403-A
Dr. WONG
Engr.
App. 1991
PROJECT NO. 124
Scale: FULL
Data: 5-5-49
DRILL #27 (1440) 3 HOLES

...CAUTION...

All DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE-TOLERANCES PERMISSIBLE (UNLESS OTHERWISE SPECIFIED) COMMON FRACTIONS ± .03, DECIMALS ±.001

PART NO. NAME NO. REQ'D. MAT. OR SUPPLIER

STATE ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

PROJECT NO. 124

WORM GEAR BRACE

This Print
Made:

SCALE: 2'-1"
Date: 3-10-49

WONG

7-437

ARCHIVES ONLY
UNCLASSIFIED
DRILL #18 (1695) FOR B-32 ROUND HD SCREW, 4 HOLES

DRILL #32 (1160) FOR 440 HD HD SCREW, 2 HOLES

MAT' L: 046 SHEET STEEL

STATE ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

MOTOR BRACKET

ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS DO NOT SCALE—TOLERANCES PERMISSIBLE, UNLESS OTHERWISE SPECIFIED; COMMON FRACTIONS = DECIMALS = 0.001

This Print Made: 8-47
Engr: Ch: App. 2-438
Scale: FULL Date: 5-10-49

PROJECT NO. 124
**Unclassified**

**State Engineering Experiment Station**

Georgia Institute of Technology
Atlanta, Georgia

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**Material: Steel 2 Req'd**

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**Description of Change**

- COMMON FRACTIONS ± .5
- DECIMALS ±.001

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**Can't Read**

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**CAUTION:**

ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE TOLERANCES PERMISSIBLE UNLESS OTHERWISE SPECIFIED.

---

**Print:**

- Dr. Wong
- C. App.
- Scale: FULL
- Date: 5-11-49

---

**GEAR MOUNTING ARM**

---

**Project No. 124**

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**Archives Only**
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PROJECT NO. 124

PART NO. | NAME | NO. REQ'D. | MAT. OR SUPPLIER
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ATLANTA, GEORGIA

AUTOSYN MOUNTING PLATES

This Print
Made:

Dr. WONG
Engr.
App.

Scale: FULL
Date: 5-11-43

2-441

CAUTION...

ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE-TOLERANCES PERMISSIBLE (UNLESS OTHERWISE SPECIFIED); COMMON FRACTIONS ± 1/64; DECIMALS ± .001

DRILL 5/8, 1 HOLE

DRILL #10(1/85), MATCH DRILL WITH 2-436, 3 HOLES

DRILL #30(1/85), 4 HOLES

MAT' L—STEEL

SECTION AA

PLATE-A

PLATE-B

PLATE-C

PLATE-D

40(1/85) MATCH DRILL WITH 2-436, 3 HOLES

40(1/85) MATCH DRILL WITH 2-436, 3 HOLES

40(1/85) MATCH DRILL WITH 2-436, 3 HOLES

40(1/85) MATCH DRILL WITH 2-436, 3 HOLES
...CAUTION...
ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE—TOLERANCES PERMISSIBLE (UNLESS OTHERWISE SPECIFIED): COMMON FRACTIONS ± 2⁄3 DECIMALS ± .001

MATERIAL: STEEL

STATE ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

SHAFT FOR UPPER BEARING "212 PP"

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No. Description of Change  Ch. Date
This Print  NEXT ASSEM  3-40  Engr
Made:  2-442  App  2-442  Date:  2-442

PROJECT NO. 124

SCHL. FULL  Date:  2-442
ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE. TOLERANCES UNLESS OTHERWISE SPECIFIED. COMMON FRACTIONS IN. DECIMALS IN.001.
### Upper Brace Ferrule

**Material:** Steel

<table>
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<th>PART NO.</th>
<th>NAME</th>
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**Dimensions:**
- Machine to fit vertical support column (3-40)

---

**Notes:**
- All dimensions given in inches, work to dimensions-do not scale-tolerances permissible (unless otherwise specified).
- Common fractions = .01 decimals = .001

**Archives Only**

---

**State Engineering Experiment Station**
**Georgia Institute of Technology**
**Atlanta, Georgia**

**Dr. Wong C. Engr.**

**Scale: Half**
**Date: 11-2-48**
MATERIAL: 2 x 2 1/4 STL ANGLE

...CAUTION...

ALL DIMENSIONS GIVEN IN INCHES UNLESS OTHERWISE SPECIFIED.

SCALE: 1/8" = 1'-0" DEGREES 1.001

PROJECT NO. 124

STATE ENGINEERING EXPERIMENT STATION
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ATLANTA, GEORGIA

ANGLE FRAME ASSY

ARCHIVES ONLY
DRILL 1/2" & TAP 1/2-16-NC
3 HOLES REQ'D
EQ'LY SPACED

DRILL 5/8" FOR 3/8-16-NC HEX
BOLT 1/2" LG., 12 REQ'D

BROWNING V-BELT
SHEAVE 2L190

MAT'L-STEEL

STATE ENGINEERING EXPERIMENT STATION
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ATLANTA, GEORGIA

V-BELT SHEAVE ASSEMBLY

UNCLASSIFIED

ARCHIVES ONLY

CAUTION

ALL DIMENSIONS GIVEN IN INCHES WORK TO DIMENSIONS DO NOT SCALE-TOLERANCES PREHISIBLE (UNLESS OTHERWISE SPECIFIED) COMMON FRACTIONS = DECIMALS = 0.01

PART NO. 124

PROJECT NO. 124

SCALE: 1/8" Date: 1-10-49

1/8" ENG.
1/8" ART.
1/8" ENG.
3-49
2-49
--- CAUTION ---

ALL DIMENSIONS GIVEN IN INCHES-WORK TO DIMENSIONS-DO NOT SCALE-TOLERANCES PERMISSIBLE (UNLESS OTHERWISE SPECIFIED); COMMON FRACTIONS ± 0.00, DECIMALS ± 0.001

FRAME 6 STEEL

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<tr>
<td>DISC SUPPORT FRAME</td>
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This Print
Date: 12-21-45

Dr. WONG
Eng.
Appr.
ALL DIMENSIONS GIVEN IN INCHES—WORK TO DIMENSIONS—DO NOT SCALE—TOLERANCES PERMISSIBLE (UNLESS OTHERWISE SPECIFIED)—COMMON FRACTIONS = \( \frac{3}{8} \), DECIMALS = 0.375

TRUNK 3 1/2

BALANCE HOLE 900 DIA

DRILL #10 (1/35) & CSK.
FOR 10-32 FLAT HEAD SCREWS, 4 REQ'D

MAT. L - ALUMINUM

STORAGE

STATE ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

AZIMUTH MARKER DISC

PROJECT NO. 124

2-45
MATERIAL - STEEL

...CAUTION...

ALL DIMENSIONS GIVEN IN INCHES-WORK TO DIMENSIONS-DO NOT SCALE-TOLERANCES PERMISSIBLE (UNLESS OTHERWISE SPECIFIED) COMMON FRACTIONS - DECIMALS .001

DRILL TO FIT 1/4-D.N.
SHAFT (2439 REF.)

DRILL "E" HOLE´s A "TAP "1/8-32NF.
4 HOLES TO MATCH THOSE
ON 2-451 .

ARCHIVES ONLY

PART NO. NAME NO. REQ'D. MAT. OR SUPPLIER

PROJECT NO. 124

12/6/48

Dr. V.L.H. Engr. App. 2-451

SCALE: FULL

STATE ENGINEERING EXPERIMENT STATION
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ATLANTA, GEORGIA

AZIMUTH MARKER DISC HUB
DRILL AND TAP FOR 8-32. 3 HOLES SPACED 120° ON A 1" CIRCLE

TAP #8-32 N.C. 2 HOLES.

TAP #8-32 N.C. 2 HOLES.

1 REQ'D. DETAILS.

A: 5/6, B: 5/6, C: 5/6, D: 13/4, E: 3/4.

1 REQ'D. DETAILS.

A: 5/6, B: 5/6, C: 5/6, D: 27/64, E: 19/32.

2 REQUIRED

<table>
<thead>
<tr>
<th>SHAFT SUPPORT</th>
<th>1</th>
<th>24 ST ALUM.</th>
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SHAFT SUPPORTS

This Print

Made: JWP

Dr.:

Scale: 12-1/8

PROJECT NO. 124

Confidential
DRILL \( \frac{1}{2} \) 3 HOLES SPACED 120° ON 1"D CIRCLE
CLOSE TURNING FIT ON \( \frac{1}{4} \) DRILL ROD

DRILL \( \frac{1}{2} \) 3 HOLES SPACED 120° ON 1"D CIRCLE
CLOSE TURNING FIT ON \( \frac{1}{4} \) DRILL ROD

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SHAFT BEARINGS

PROJECT NO. 124

Dr. JHP
Scale: FULL
Date: 2-21-49

ARCHIVES ONLY

UNCLASSIFIED
NOTE.
FIGURES TO BE CUT AS SHOWN.
FIGURES ON UPPER HALF OF DIAL TO BE MADE BLACK;
LOWER HALF RED.
FIGURES ON A 50 DIV. CIRCLE
3\(\frac{3}{8}\) DIA.

OUTSIDE DIAL
MAT: PLEXIGLASS
1 REQD.

---

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---

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ATLANTA, GEORGIA

COMPUTER DIAL - AX

---

PART NO. | NAME | NO. REQ'D. | MAT. OR SUPPLIER
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         |      |           | STATE ENGINEERING EXPERIMENT STATION
         |      |           | GEORGIA INSTITUTE OF TECHNOLOGY
         |      |           | ATLANTA, GEORGIA

No. Description of Change Ch. Date
This Print
Made:

Dr. C.E.H. Engr.
App.

PROJECT NO. 124
Scale:12"x10" Date:3-25-49
NOTE.

ALL FIGURES ON DIAL 1/8; CUT MARKERS TO FIGURES 1/8. ALL OTHER MARKERS 1/8. 100 DIV. CIRCLE. FIGURES ON 20 DIV. CIRCLE.

OUTSIDE FIG. CIRCLE 2 15/16 D. BLACK
MIDDLE FIG. CIRCLE 2 3/16 D. RED
INSIDE FIG. CIRCLE 1 7/8 D. BLACK

INSIDE DIAL MAT. PLEXIGLASS 1 REQD.

DRILL & REAM .250

TAP # 5-40 NC. 4 HOLES 90° APART

DIAL HUB MAT. BRASS 1 REQD.

PART NO. NAME NO. REQ'D MAT. OR SUPPLIER

STATE ENGINEERING EXPERIMENT STATION GEORGIA INSTITUTE OF TECHNOLOGY ATLANTA, GEORGIA

COMPUTER INSIDE DIAL α

No. Description of Change Ch. Date


PROJECT NO. 124

Scale: 1"=2" Dates: 3-31-45
DRILL AND TAP FOR 8-32, 9 HOLES SPACED 120° ON A 1" CIRCLE

TAP 8-32 N.C. 2 HOLES.

DRILL 7" DEEP FOR 10-24, TAP 3/8 DEEP 2 HOLES

MAIL: 24 ST ALUM.

PART NO.

NAME

NO. REQ'D

MAT. OR SUPPLIER

STATE ENGINEERING EXPERIMENT STATION

GEORGIA INSTITUTE OF TECHNOLOGY

ATLANTA, GEORGIA

8 DIAL SHAFT MOUNTING BRACKET

This Print

Blind:

Dr. JW/P

Eng.

Ch.

App.

Scale: FULL

Date: 2-24-49

PROJECT NO. 124

2-462 A
NOTE.

FIGURES ON DIAL 1/2 SIZE ON 36 DIV CIRCLE.
INSIDE FIGURE CIRCLE 3 5/16 DIA.
OUTSIDE FIGURE CIRCLE 3 21/32 DIA.
MAKE ALL FIGURES BLACK.
CUT FIGURES ON 2 CLOCKWISE, 1 COUNTERCLOCKWISE.
NOTE:
MARKERS TO
WHOLE NUMBERS
HALF NUMBERS
LENGTHS.

NOTE.
Figures on dial \( \frac{1}{8} \) size on 40 div's circle.
Inside figure circle 2.96 DIA.
Outside figure circle 2.96 DIA.
Make all figures black.
Cut figures on 2 clockwise, 1 counterclockwise.

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<td>INSIDE DIALS-TB, FS8, &amp; θ</td>
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This Print
Made: Dr. C. E. M. Engr.
App. Date: 2-464

PROJECT NO. 124

Scale: 1/2-1:0 Date: 4-12-49
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PART
NO.
NAME
BORE .375
31/2
3/8
2/7 8 1
1 3/16
10 24 H.C
2 Holes in Each Piece
1/8
1/8
3 R
2/8
3 R

SIDE

DELETE

BOTTOM.
BRACKET.
MAT. ALUMINUM.
2 REQ'D.

DRILL "25, TAP" 10-24 H.C

FREE DRILL.

SIDE.
BRACKET.
MAT. ALUMINUM.
1 REQ'D.

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PROJECT NO. 124.

STATE ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

COMPUTER CRANK SHAFT BRACKETS.

2-465

Dr. C. E. H.
Engr.
App.

This Print Made:

Ch.
Date

Ch.
Date: 4-13-49

Scale: 1/2" = 1'-0"
DIAL GEAR BRACKET
UPPER LEFT
MAT. BRASS
1 REQ'D.
DRILL SIZE M, REAM 5/32
1/16 DRILL 2 HOLES

TOP

DRILL 1/64

FRONT
WORM GEAR SHAFT
BRACKET BEARING
MAT. BRASS.
1 REQ'D.

STATE ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

COMPUTER
BRACKET BEARINGS FOR θ

HOST NO. 124

PROJECT NO. 124
### Archives Only

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**STATE ENGINEERING EXPERIMENT STATION**
**GEORGIA INSTITUTE OF TECHNOLOGY**
**ATLANTA, GEORGIA**

**COMPUTER:**
**WORM SHAFT BRACKET BEARINGS, \( \theta + \alpha \) & \( \beta - \theta \)**

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**This Print**

- **Made:**

**PROJECT NO. 124**

**Scale:** 2'-1-0"  
**Date:** 5-17-49
FRONT
HELIPOP & RACK GUIDE BRACKET
MAT. STEEL

1. MAKE AS SHOWN; OMIT DETAIL
2. MAKE 1 WITH DETAIL A CHANGED
to 2.8.
OMIT DETAIL B

DRILL & TAP
#6-32 NC. 3 HOLES
120° APART

SECTION
A-A

SIDE

11/64 DRILL & SLOT
3 HOLES.

11/64 DRILL 4 HOLES.

1" D. MILL

11/64 DRILL 4 HOLES.

1/2 DRILL
TOP

13/32 DRILL

11/64 DRILL & TAP
#6-32 NC. 3 HOLES
120° APART

1/8 DRILL & TAP
#5-32 NC. 2 HOLES.

PROJECT NO. 124

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GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

COMPUTER
HELIPOP & RACK GUIDE BRACKETS

COS θ & COS(θ + α)

TABLE

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No. Description of Change Ch. Date

This Print Made:
Dr. CEH Engr.
Ch. App. 2-471
Scale: 12-10 Date: 5-12-49

PROJECT NO. 124
BORE 13/32

COUNTERBORE 1 1/6 x 1/4 DEEP

DRILL #10 2 HOLES

DRILL #25 TAP "10-24 N.C.
2 HOLES IN EACH FIELD

DRILL & TAP "S-40 NC.
2 HOLES.

NAME

PROJECT NO. 124

PART NO. NAME NO. REQ'D. MAT. OR SUPPLIER

STATE ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

HELIPOT BRACKET SIN θ

No. Description of Change Ch. Date

Thin Print Made:

Scale: 1/24" Date: 3-21-43

Dr. C.E.H. Ch. 2-474 Engr. App.
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<td>GEAR BRAKETS</td>
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<td>ALUMINUM</td>
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DRILL & REAM; 1/4 SHAFT; PRESS FIT.

1 3/64 DRILL 2 HOLES.

DRILL & REAM; 1/4 SHAFT; PRESS FIT.

1 5/8

TOP

1 1/4

TOP

GEAR BRACKET.

MAT. BRASS.

1 REQ'D.

FRONT.

1 REQ'D.

GERMAN SMITH.

DRILL & CSK #10 SCREW 2 HOLES.

1/4 DRILL 2 HOLES.

FRONT.

SIDE

PROJECT NO. 124

STATE ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

COMPUTER COUNTER GEAR BRACKETS.

No. Description of Change Ch. Date
This Print Made: Dr. C.E.H. Engr. Ch. 1/1 App. 2-475

Scale: 1/24-1:0 Date: 5-31-49

ARCHIVES ONLY

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UNCLASSIFIED
DRILL 2 HOLES.

COUNTERBORE 3/16 X 3/16 DEEP.

.250 REAM FOR 1/4 SHAFT.

COUNTER SHAFT SUPPORT MAT. BRASS 1 REQD.

.250 REAM

COUNTER SHAFT EXTENSION MAT. STEEL 1 REQD.

DRILL .43, TAP .4-40

.244 REAM

WORM COLLARS MAT. BRASS 2 EACH REQD.

.244 REAM

FRONT JACK SHAFT BRACKET MAT. BRASS 2 REQD.

ROUND CORNERS.

TOP

DETAIL A

SWITCH ACTUATOR MAT. BRASS MAKE 1 AS SHOWN & 1 WITH DETAIL A TO LEFT.
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**STATE ENGINEERING EXPERIMENT STATION**
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

**COMPUTER**
**LIMIT SWITCH BRACKET-F.E.**

No. Description of Change Ch. Date

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This Print Made:

Engr. App. 2-479

PROJECT NO. 124

Scale: 1/2 = 1.0  Date: 5-31-48
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PART NO.  NAME  NO. REQ'D.  MAT. OR SUPPLIER

STATE ENGINEERING EXPERIMENT STATION  
GEORGIA INSTITUTE OF TECHNOLOGY  
ATLANTA, GEORGIA

COMPUTER  
MOTOR MOUNT PARTS.

Δ & R F.E.

No.  Description of Change  Ch.  Date

This Print  
Made:  

Dr. C.H.  
Engr.  
App.  

Scale: 2-1/2  
Date: 6-9-49

PROJECT NO. 124
UPPER CROSS BAR
2.5" STL TUBING, 34'L.G.
WELD TO 1" STL FLANGE.
AFTER ASSEMBLY, 3 REQS.

GUSSET 2.25" x 3.25"
2 REQS.

VERT SUPPORT 4 STL
TUBING, 6'6" L.G., 3 REQS.

LOWER DIAGONAL BAR
2.5" STL TUBING, 34'L.G.
2 REQS.

UPPER DIAGONAL
BAR 4.5" STL TUBING
2 REQS.

LOWER CROSS BAR 4.5" STL.
TUBING 1' L.G., 2 REQS.

NOTE: WELD AS SHOWN.

2.446 BASE PLATE 2 2.00X10.5 PLATE
2.445 ANGLE FRAME 1 2.00X6" ST. ANGLE, 26 FT.
2.443 BEARING PROT. 1 STEEL
2.444 UPPER BRACKET 2 4.5" STL TUBING, 48" L.
2.442 BEARING SHAFT 1 48" STL TUBING, 48" L.
GUSSET 2 4.00X10.5 PLATE
TUBING 1/4" X 10" STUB.
TUBING 1" X 10" STUB.

STATE ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA

FRAME

Project No. 124

No. Description of Change Ch. Date

1.00 Print
Made

3-00

3-410
NOTE: TACK WELD EXPANDED METAL TO STEEL TUBING.
DRILL & TAP FOR 1/4 NC. SET SCREW (SCHNEIT/1 RED).

HORIZONTAL FRAME
1/2 x 3 ANGLE (16) / 4 RED.

CROSS BAR, 6 x 1/4 x 4 RED.

VERTICAL FRAME
1/4 x 1/2 x 1/4 ANGLE (10) / 4 RED.

BRACKET, 4TH...
4 RED.
ALL RECTANGULAR HOLES \( \frac{3}{8} \) WIDE

\( \frac{1}{8} \) DRILL 6 HOLES

PANEL
MAT. ALUMINUM
NOTE:
ALL HOLES MARKED
DRILL #8, TAP 8-40NC.

ALL HOLES MARKED
DRILL #29, TAP #8-32 NC.

ALL HOLES MARKED
DRILL #25, TAP #10-40 NC.

NOTE:
ALL HOLES MARKED
DRILL 13.

ALL HOLES MARKED
BORE 3/32.

2 RECTANGULAR HOLES
MARKED () MACHINE AS SHOWN.
MATCH DRILL A REAM 3/16 IN.
WITH 2.45 FOR #9 PAPER PIN, THE HOLE

ALONG WITH 5 OF SLOT
OF PG 2-43 AFTER ASSEMBLY
OR RF SWITCH IN PIPE

SECTION A-A
END COVER, NO SHEET ALUM, OVERLAPS TOP & BOTTOM BY 2-3/4".

(3) 1/8" FLAT-HD SCREW ALUM, 1/8" 10-24 PER SECTION AS SHOWN.

1/4"-20 Connecting Pins 2 STEEL.
1/4"-20 Brace 3 I ALUM PLATE.
3/8-24" Reflector Mount 3 1/4" ALUM PLATE.

COVER-PLATE ALUM 3/16" 1 1/2" SQ. .

BRACE PLATE ALUM 1/8" SQ. .

SECTION AA

PART NO. NAME
1 20H840 REFLECTOR ASSEM.