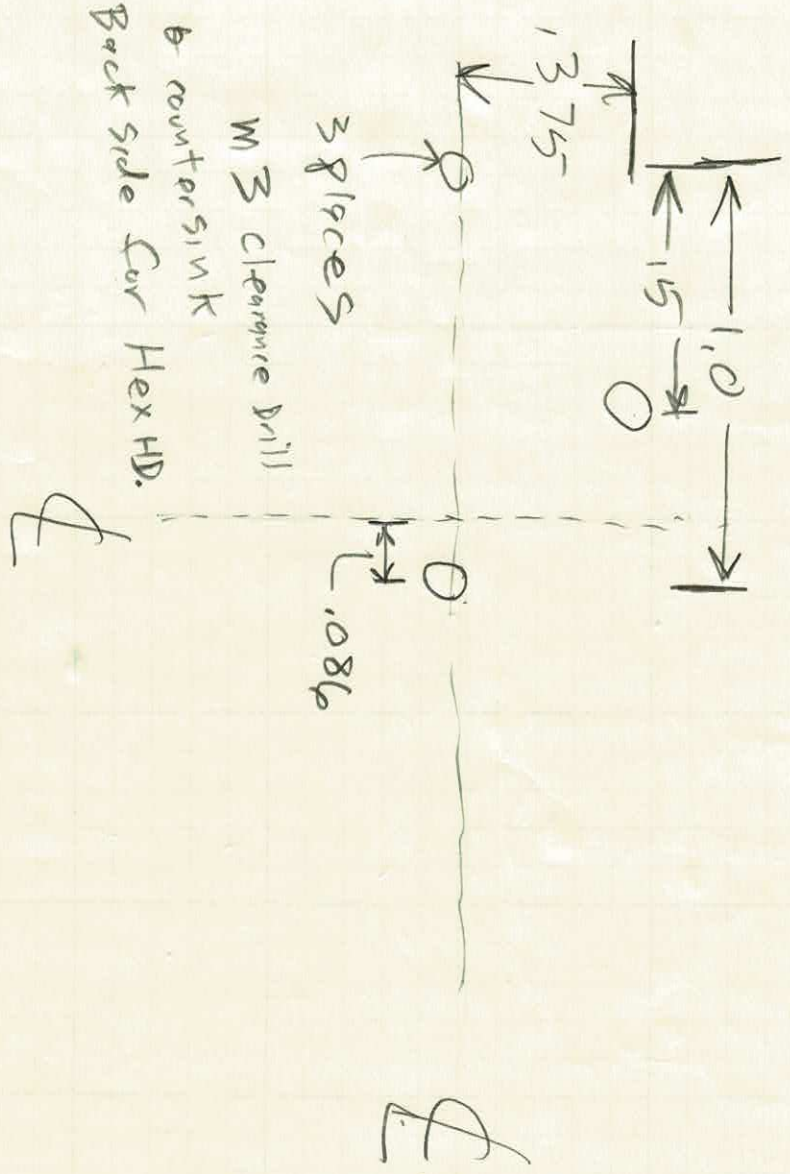
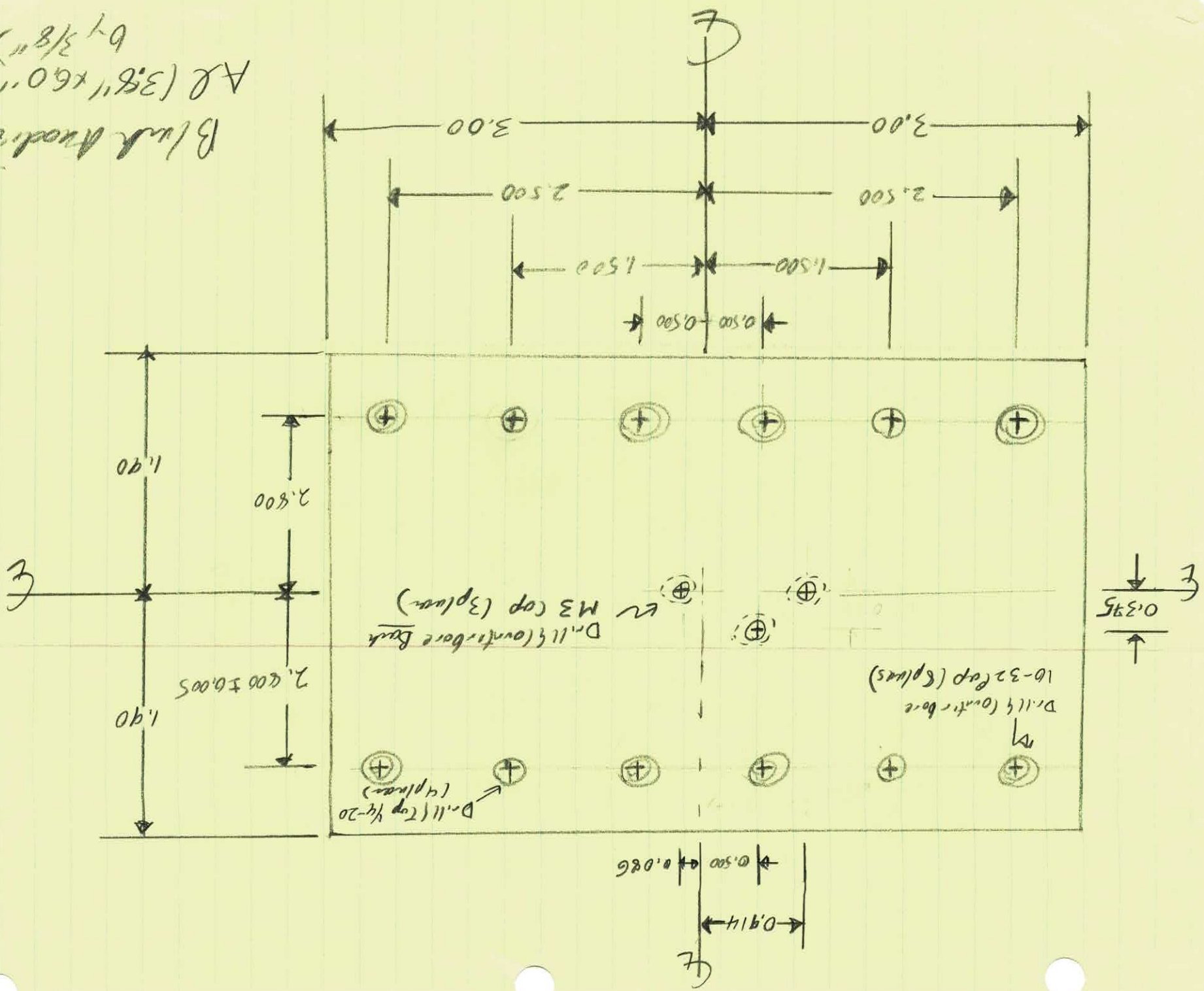


Scanner Mounting Detail



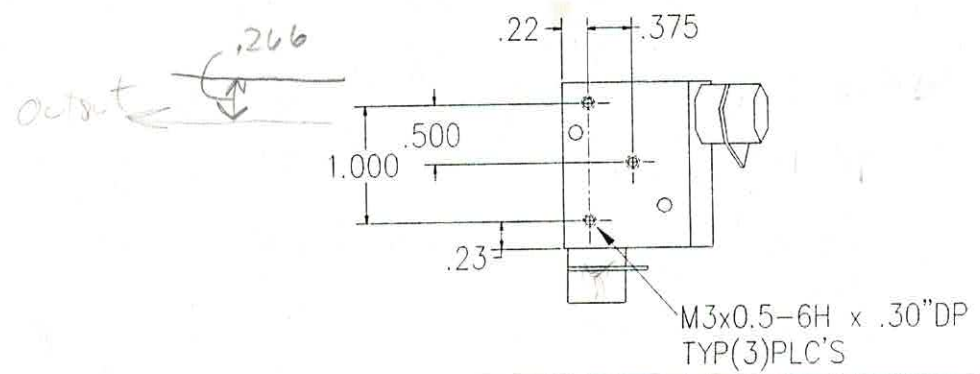
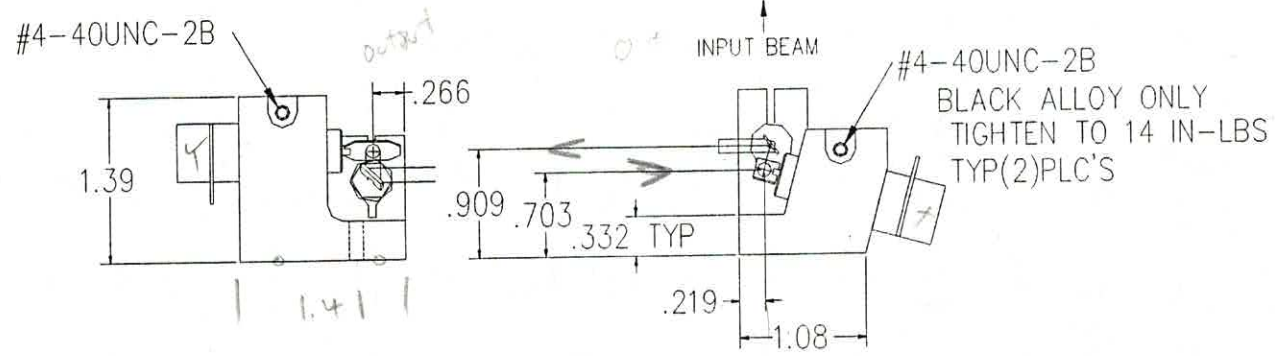
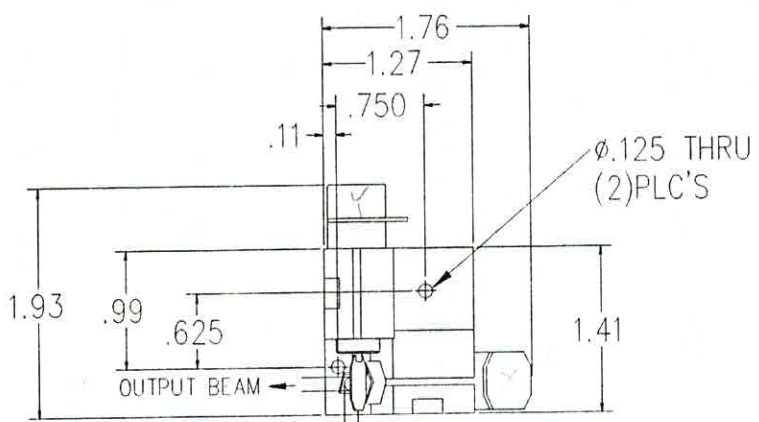
Scanner
Detail

Blank Analyze
 AL (3.8" x 6.0"
 6-3/8")



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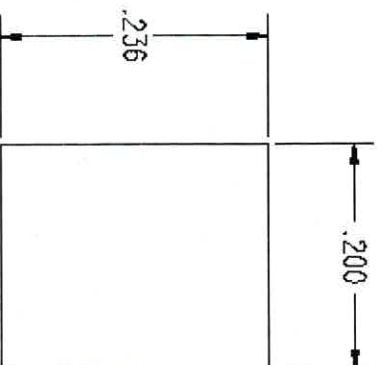
REVISION				
ECO	REV	DESCRIPTION	CHK	DATE



UNLESS OTHERWISE SPECIFIED	DRN	02/09/99	PH	CAMBRIDGE TECHNOLOGY, INC.
TOLERANCES	DES			100 SMITH PLACE
.XX = ±0.010	CHK			CAMBRIDGE, MA 02138 - USA
.XXX = ±0.005	ENG			6210 XY INTERFACE RH
() INDICATES mm	APPR			3mm ±15' MECH
ANGLES: 0°-30°	PRODUCTION			D03793
SURFACE FINISH: $\sqrt{}$	REVISION			SCALE: 2x SHEET 1 OF 1
BREAK ALL SHARP EDGES	A			
MATERIAL				
FINISH				

6200/6210/6215 3mm Mirror Diagram
X Mirror Diagram

J = 2.1mgm²cm²



Notes:
(Substrate)

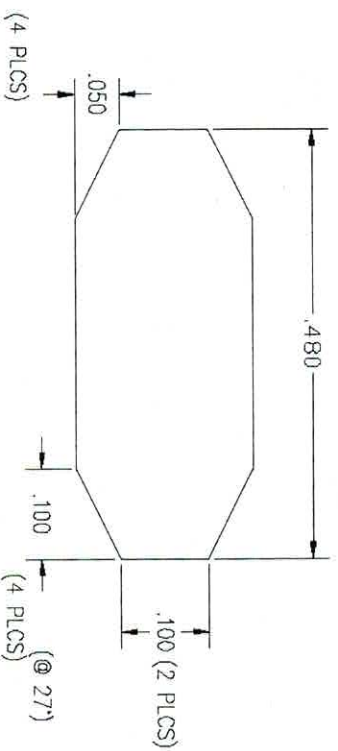
1. Flatness: $\lambda/1$ @633nm
2. Scratch/Dig: 60/40
3. Maximum Chamfer .005
4. Polish both sides

(Coating)

1. Reflective coating on one side
2. Consult CTI engineering for irradiance power ratings.

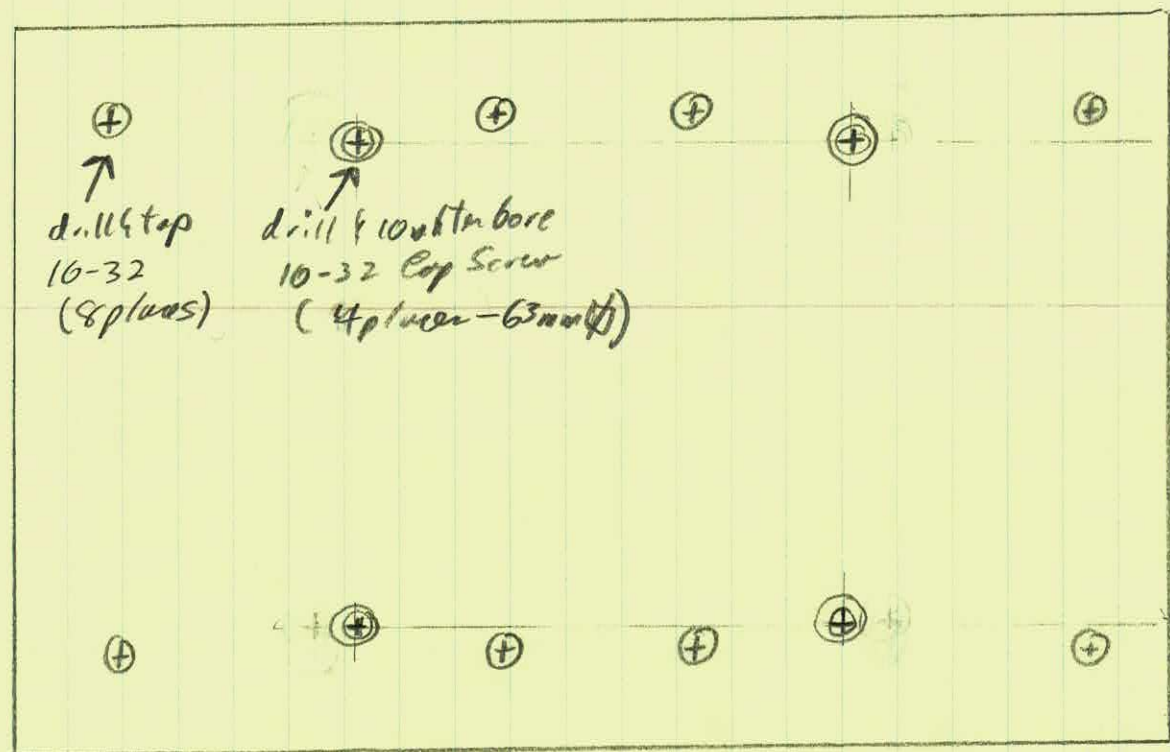
Y Mirror Diagram

J = 2.4 mgm²cm²



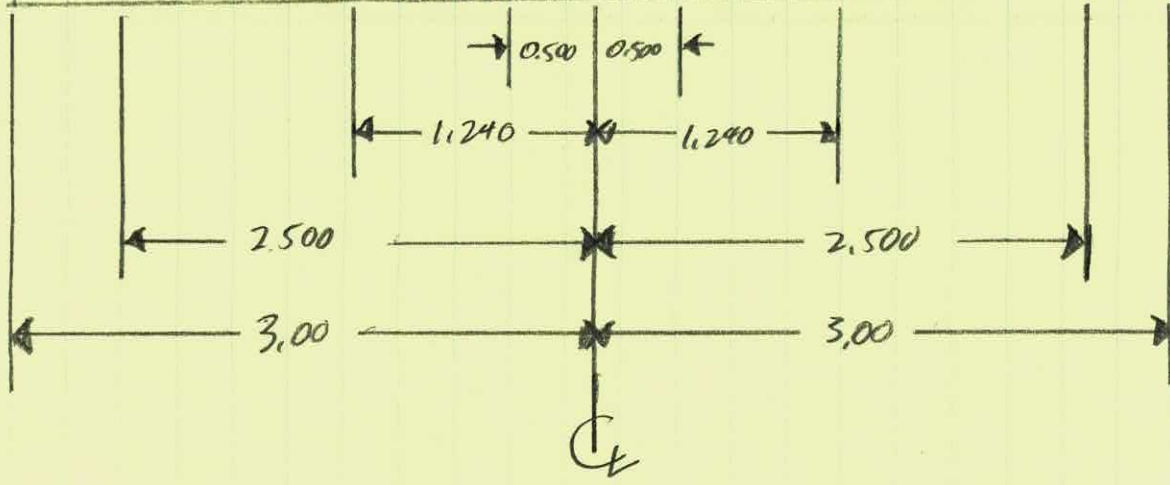
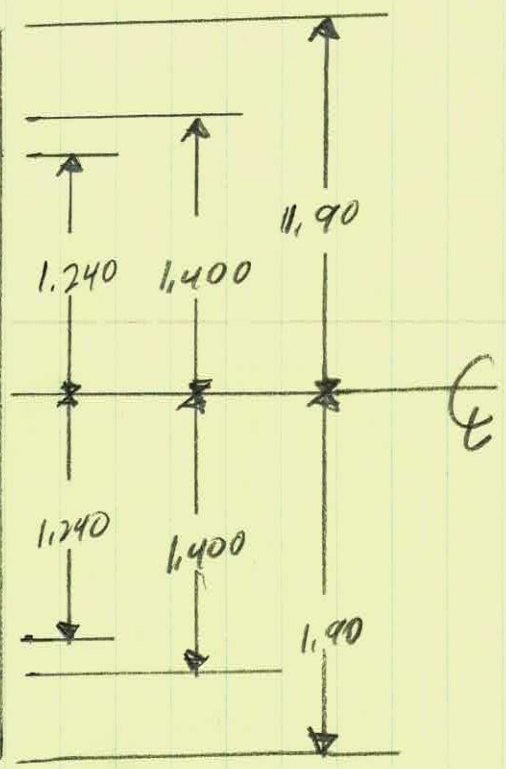
Notes: (Substrate)

1. Flatness: $\lambda/1$ @633nm
2. Scratch/Dig: 60/40
3. Maximum chamfer .005
4. Polish Both Sides



drill top
10-32
(8 places)

drill & tap thru bore
10-32 Cap Screw
(4 places - 63mm dia)



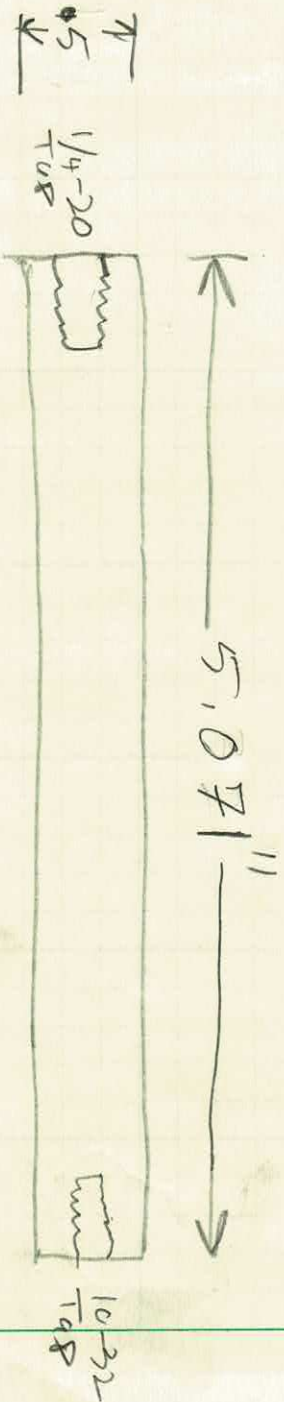
Blind Anodize
AL (3.8" x 6.0"
x 3/8")

(4) Posts 0.50" Dia SS, 304

Tapped one side 1/4-20
 Tapped other side 10-32

Optical Path = 7.000"
 — .375" Top plate
 — .270" Heat sink
 — .375" Bottom plate
 — .909" Scanner (Print)

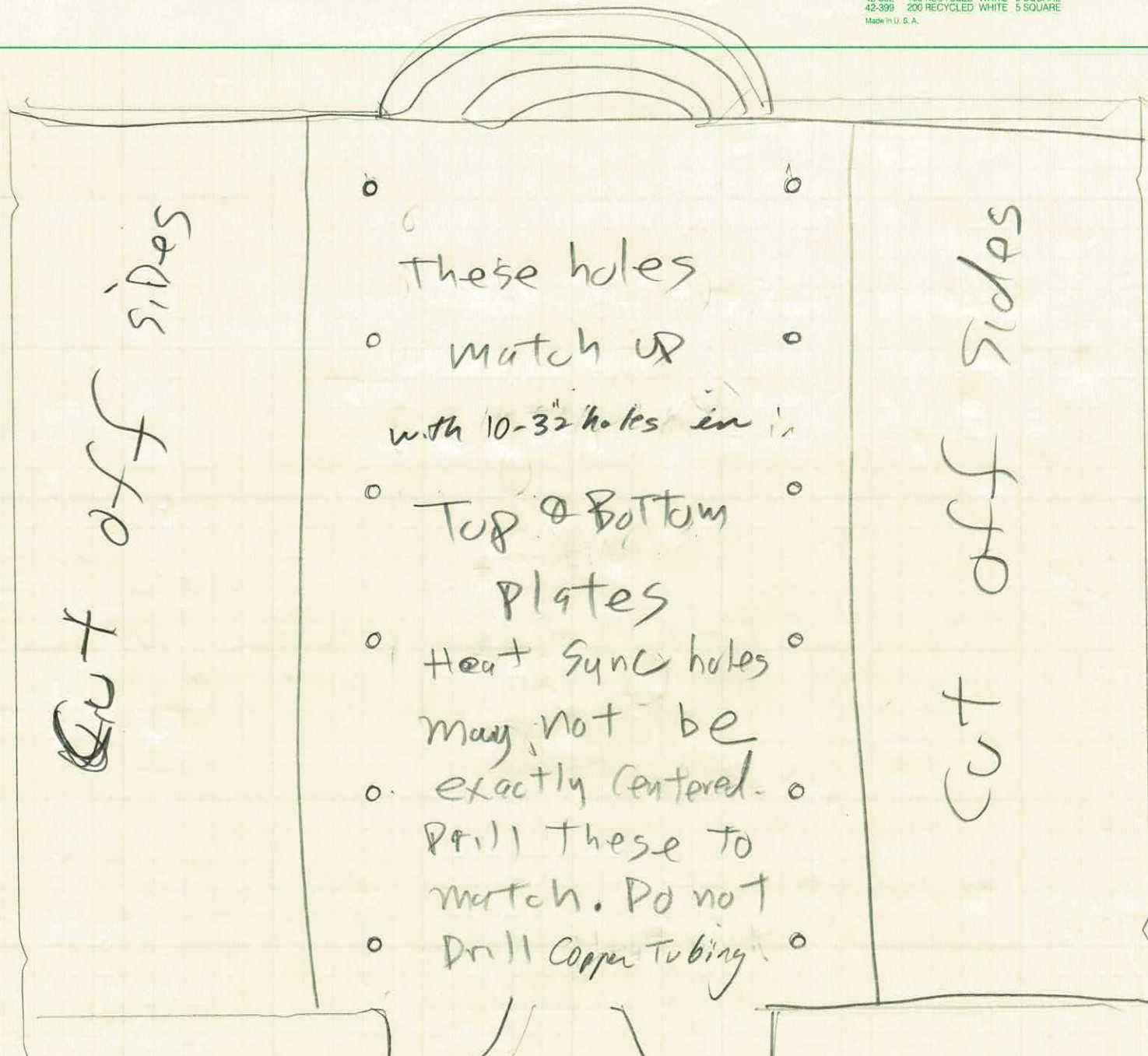
Post Length = 5.071"



4 Posts

Posts

7



Cut off sides

- o These holes
- o match up
- o with 10-32 holes in
- o Top & Bottom
- o plates
- o Heat Sink holes
- o may not be
- o exactly centered.
- o Drill these to
- o match. Do not
- o Drill Copper Tubing.

Cut off sides

Heat Sink mods

Eye Safety Shield Front Plate

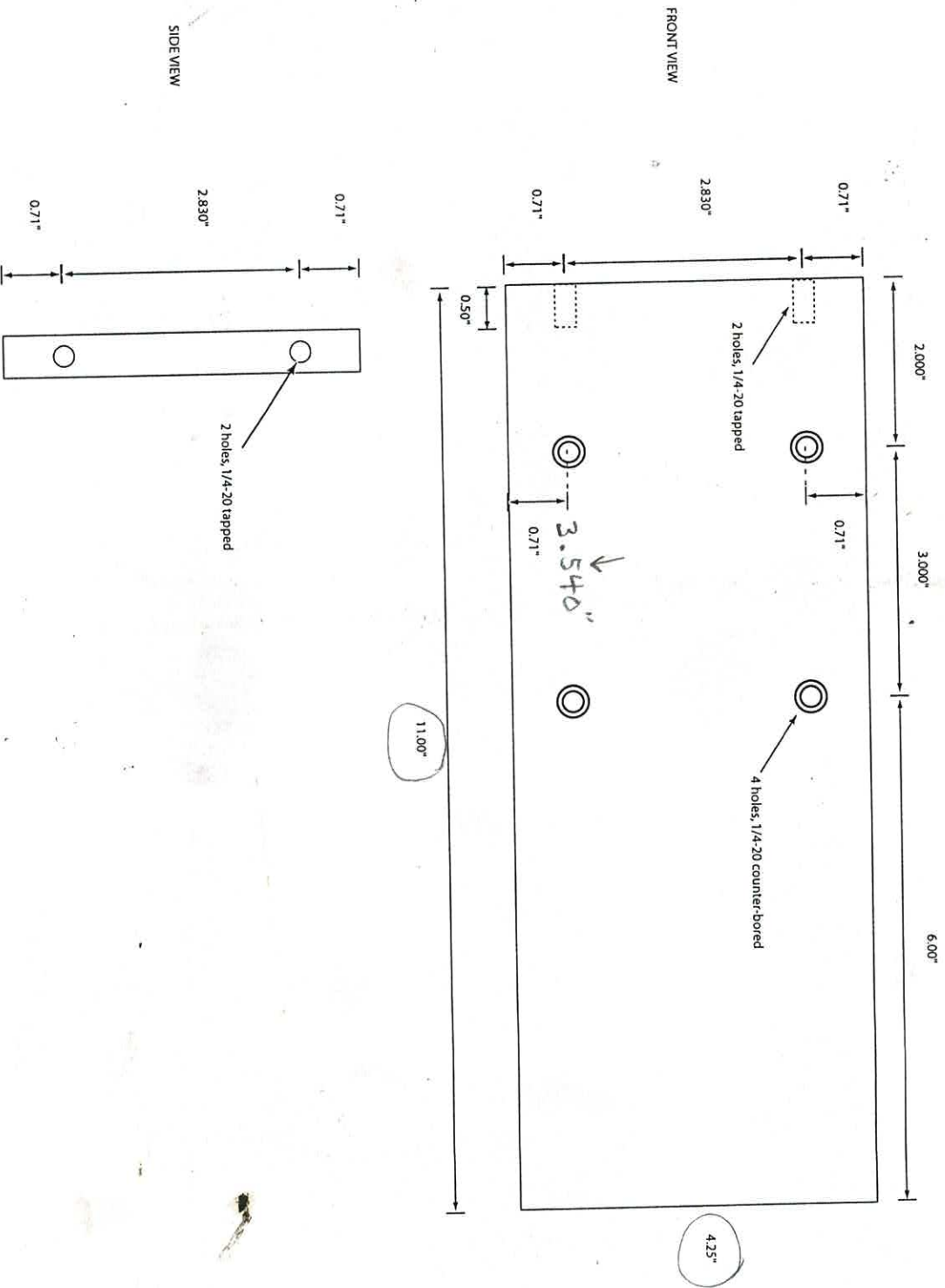
Material : Aluminum, 1/2" thick - BLACK ANODIZED

Tolerances : x.xxx +/- 0.005"

x.xx +/- 0.01"

Description: 1/2" thick plate,
11.00" x 4.25"

Four 1/4-20 counter-bored holes
Two 1/4-20 blind holes into left side of plate



Requestor : Phil Tsai / Kleinfeld Lab 858-534-3562
Quantity : 1

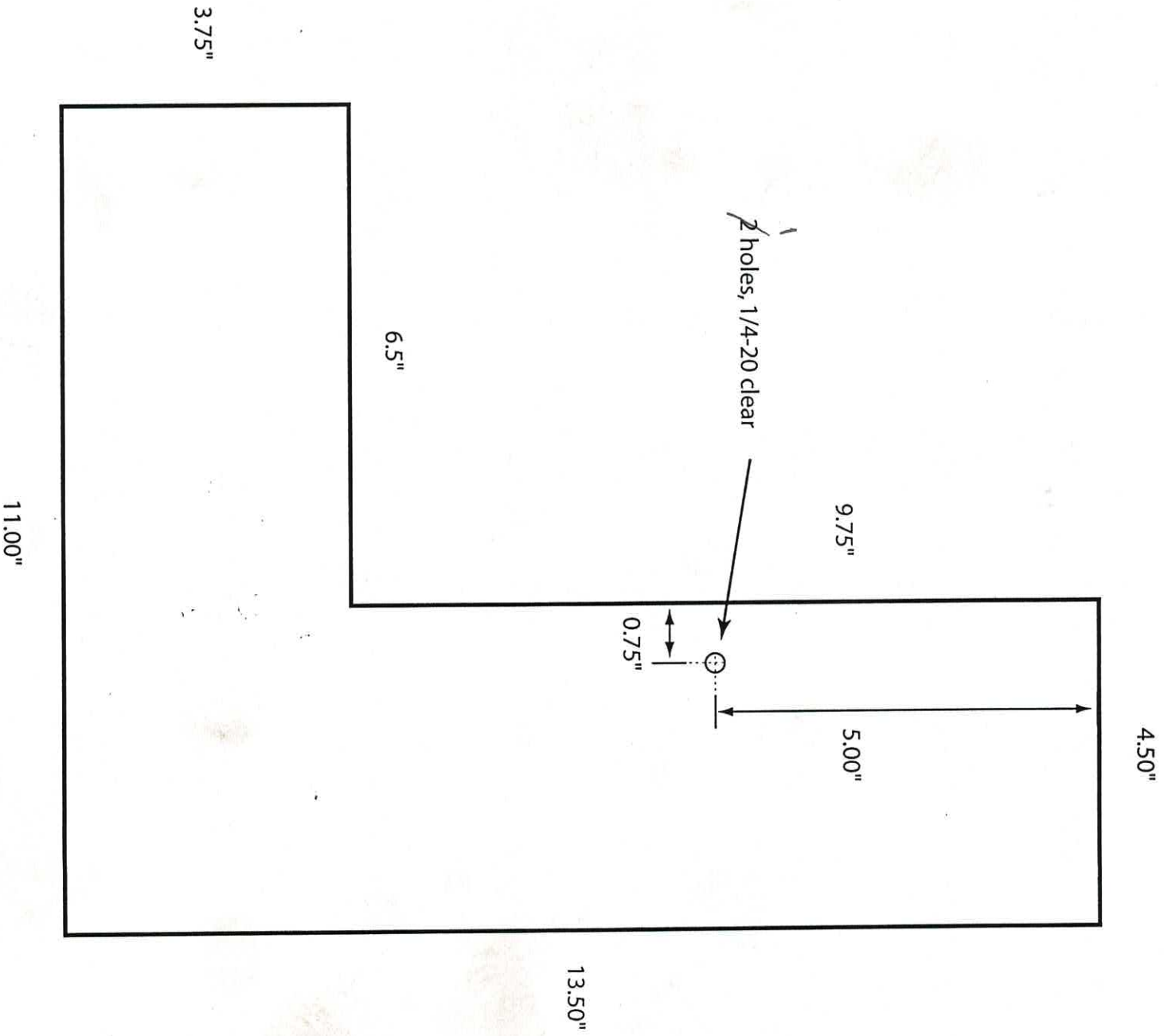
Eye Safety Shield Top Plate

Material : Aluminum, 1/16" thick - BLACK ANODIZED

Tolerances : X.XXX +/- 0.005"

X.XX +/- 0.01"

Description: 1/16" thick plate,
L-shaped with a single 1/4-20 clear hole



Requestor : Phil Tsai / Kleinfield Lab 858-534-3562
Quantity : 1