

MATERIAL
FORGED MAGNET STL. PER SPEC. 4500-90-4-S2

Technical drawing of a mechanical part, likely a bracket or plate, showing top and side views with dimensions and notes.

Top View Dimensions:

- Overall width: 196.84 (16'-4.84")
- Overall height: 196.84 (16'-4.84")
- Internal width segments: 147.63 (12'-3.63"), 118.10, 98.42, 49.21, 49.21, 98.42, 118.10, 147.63 (12'-3.63")
- Internal height segments: 3.94 ±.04, 4.72 ±.04, 20.98 ±.04, 20.98 ±.04, 3.94 ±.04
- Left side height: 49.21
- Bottom left corner: 9.84
- Right side height: 14.21 ±.04
- Bottom right corner: 9.84 (TYP.)

Side View Dimensions:

- Overall height: 196.84 (16'-4.84")
- Internal height segments: 147.63 (12'-3.63"), 118.10, 98.42, 49.21, 49.21, 98.42, 118.10, 147.63 (12'-3.63")
- Left side height: 49.21
- Bottom left corner: 9.84
- Right side height: 14.21 ±.04
- Bottom right corner: 9.84 (TYP.)

Notes:

- TAP DRILL 11.81 ±.25 DEEP
- TAP 4" - 4 UNC - 2 B x 9.87 ±.25 DEEP
- TYP 2 PLCS.
- DATUM LINE, SEE NOTE 6
- 25 RAD MAX. TYP 4 PLCS.
- CHAMFER 45° x .80 TYP 8 PLCS
- DATUM LINE, SEE NOTE 4
- DATUM LINE, SEE NOTE 5
- 4.00 DIA THRU TYP 18 PLCS
- 4.00 (TYP)
- 45.23 (TYP)
- 9.84 (TYP)
- DIM "X"
- SEE NOTE 2

Table:

Part	Quantity	Material	Finish	Notes
90 D 113-30	59.00	31	1	
90 D 113-25	59.00	31	1	
90 D 113-12	59.00	31	1	

- | | | | |
|---|-------|----------------|--|
| 90 D113 - 30 | 59.00 | + .31
- .00 | TOP YOKE PLATE # 30
SEE NOTES 2, 5, 6, 8 |
| 90 D113 - 25 | 59.00 | + .31
- .00 | TOP YOKE PLATE # 25
SEE NOTES 2, 5, 6, 8 |
| 90 D113 - 12 | 59.00 | + .00
- .06 | BOTTOM YOKE PLATE # 12
SEE NOTES 2, 6, 8, 10 |
| 90 D113 - 7 | 59.00 | + .00
- .06 | BOTTOM YOKE PLATE # 7
SEE NOTES 2, 6, 8, 10 |
| PART NO. | DIM. | X | DESCRIPTION |
| SHIP NOTES
UNLESS OTHERWISE SPECIFIED
1. TOLERANCES ON DIMENSIONS ARE:
.0005 BREAK EDGES .18 MAX.
REMOVE BURRS.
2. 1/8" CHAMFER ENDS OF ALL SCREW THREADS.
3. 1/16" PITCH THREAD.
4. RELIEF WITH ROUND NOSE TOOL ON MACH. OUT SCREW THREADS. | | | DO NOT SCALE THIS DRAWING
SCALE
1/2" = 1" O.I.
DATE
8-2-1962
DRAWN BY
B. Schmeider
CHECKED BY
J. W. G. ZEK
JOB NUMBER
45000-90-4 |
| 600 MeV SYNCHROCYCLOTRON
MAGNET
YOKE PLATES 7, 12, 25, 30
WILLIAM M. BROBECK AND ASSOCIATES
ENGINEERING ARCHITECTS - DESIGN - DEVELOPMENT
1920 PARK BLVD. OAKLAND, CALIFORNIA | | | DRAWING #
90 D 113 B
NASAS NO
LD-5033620 |

SEE 6052-303

D	ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.
				QUANTITY				
6052-304 REV. 2	UNLESS OTHERWISE SPECIFIED:			CORNELL UNIVERSITY, ITHACA, NY				
	DIMENSIONS ARE IN INCHES			LABORATORY OF NUCLEAR STUDIES				
C	TOLERANCES UNLESS OTHERWISE SPECIFIED:			MAGNET YOKE STEEL				
	FRACTIONS ±			(CLEO II MK 4 MAGNET YOKE)				
C	ALL SURFACES UNLESS OTHERWISE SPECIFIED:			OWNED BY	DATE	SCALE	D	6052-304 REV. 2
	ALL SURFACES UNLESS OTHERWISE SPECIFIED:			SCHMIEDER	NORDEN FOR 3-12-36	1/2		