SLIDING BALLS, HORIZONTAL  BAR 1/8" DIA x 5" LONG
6 REQ'D
HORIZONTAL CONNECTING ROD 1/4"DIA x 4-3/4" LONG

1 REQ'D
DRILL 1/8" DIA, 1/4 DEEP
6 PLACES

DRILL & TAP #4-40, 3/8 DEEP
ONE PLACE

DRILL THRU FOR #4-40 (#30 DRILL)
CBORE #4-40, 1/8" DEEP, ONE SIDE
CBORE 1/4" DIA, 1/8" DEEP, OTHER SIDE
ONE PLACE

ITEM NO. MATERIAL DESCRIPTION QTY.

TOL'S ON OPEN DIM'S
DEC. ± 0.002
FRAC ± 1/64
ANGLES ±

DRAWN EFP CHECKED EFP
DESIGNED EFP APPROVED EFP

SCALE 1:1

MATERIAL ALUMINUM

THE UNIVERSITY OF CHICAGO
HIGH ENERGY PHYSICS
5640 SOUTH ELLIS AVE. CHICAGO IL 60637

TITLE ABACUS
VERTICAL BAR 4.750x1/2x1/2
2 REQ'D, ONE AS SHOWN, ONE MIRROR IMAGE

RELEASE DATE 11.03.2003 SHEET
SIZE 3/16 PROJECT MACHINING 001
REV ABACUS-001-01
TOL'S ON OPEN DIM'S
DEC.  ± 0.005
FRAC  ± 1/64
ANGLES ±

DRAWN  EFP
CHECKED EFP
DESIGNED  EFP
APPROVED EFP

SCALE  1:1
MATERIAL  ALUMINUM

DRILL THRU FOR #4-40 (#3/4 DRILL)
CBORE #4-40, 1/8" DEEP, ONE SIDE
CBORE 5/16" DIA, 1/8" DEEP, OTHER SIDE
ONE PLACE

HIGH ENERGY PHYSICS
THE UNIVERSITY OF CHICAGO
5640 SOUTH ELLIS AVE. CHICAGO IL 60637

TITLE  ABACUS
LEG 2"x1/2"x1/2"
2 REQ'D

RELEASED DATE  SHEET  REV
SIZE  PROJECT  DWG. NO.  ABACUS-001-02
B  MACHINING 001