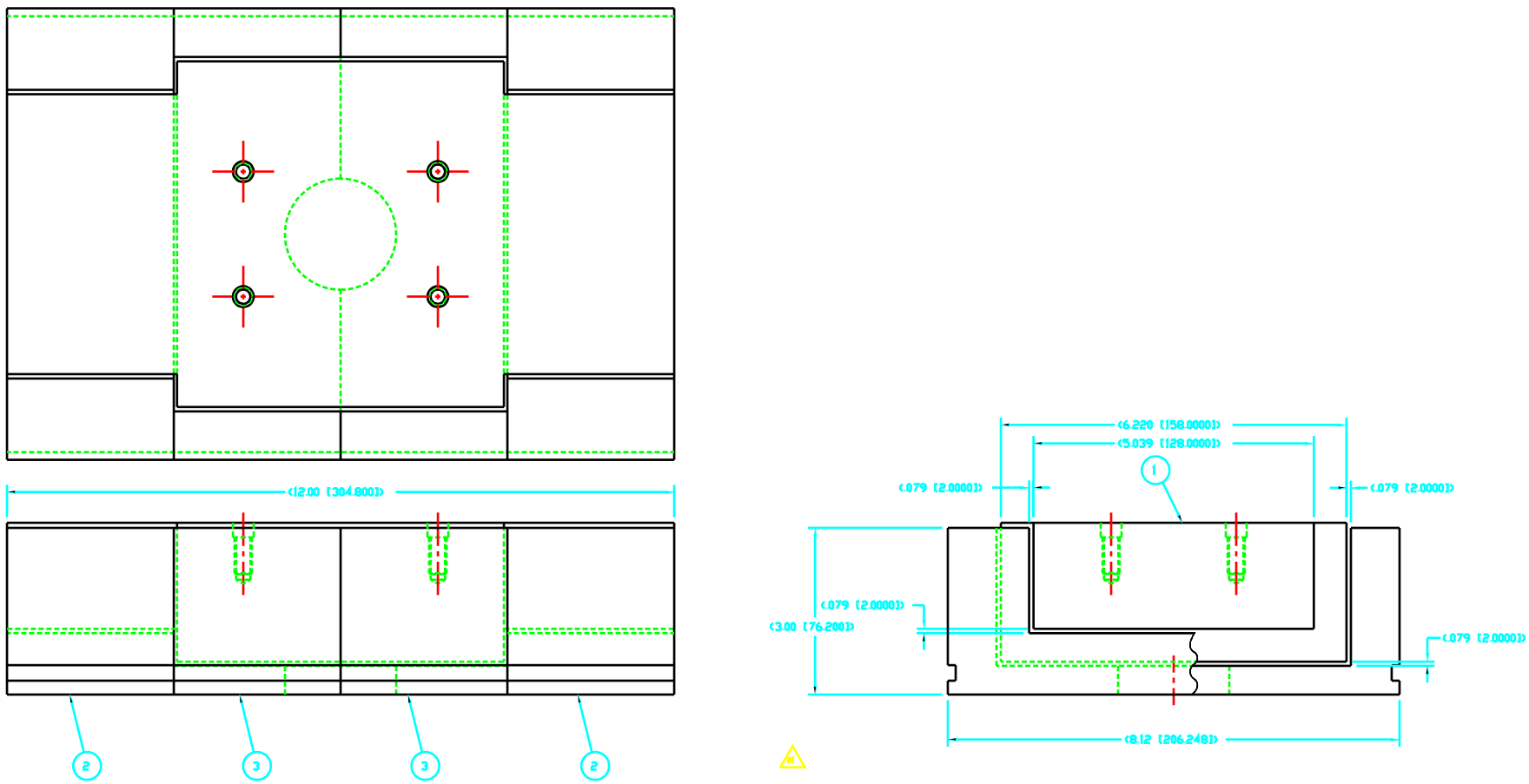

NOTES:

1. THIS IS A ULTRA-HIGH VACUUM ASSEMBLY (UHV).
2. CLEANING: THE COMPONENT MUST BE CLEANED SUCH THAT A UHV PRESSURE OF 1 x 10^{-9} TORR CAN BE ACHIEVED.
3. HANDLING: CLEAN COMPONENTS SHALL BE HANDLED WITH WHITE SILK GLOVES AND WRAPPED WITH ALUMINUM-FOIL-TYPE DRY ANNEAL A UNDER CLEAN ROOM CONDITIONS.
4. ALL DIMENSIONS IN [ ] ARE MILLIMETERS AND ARE FOR REFERENCE ONLY.

ITEM	DWG & ELECTRONIC FILE NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
3	P4102020105-230003-01	S2 BASE CENTER	TUNGSTEN	2
2	P4102020105-230002-01	S2 BASE END	TUNGSTEN	2
1	P4102020105-230001-00	S2 PLUG	TUNGSTEN	1

PARTS LIST

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
01	UPDATED	RK		

REVISIONS

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS ANGULAR
.X ± .005 ± 25°
.XX ± .010
.XXX ± .005
SURFACE ROUGHNESS 63
REMOVE ALL BURRS AND BREAK SHARP EDGES TO MAX.
SURFACE FEATURE IS AT ANGLE WITH LARGEST ROUGH SURFACE
ANGLE WITH LARGEST ROUGH SURFACE
DO NOT SCALE DRAWING

ELECTRONIC FILE NUMBER: A18171

THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY

DRAWN BY: RICK KRAKORA	DATE: 4/93	CHIEF DESIGN ENGINEER: D.SHU	DATE: 8/9/93
CHECKED BY: T. SANCHEZ	DATE: 7/26/93	OP LEADER: T. KUZAY	DATE: 8/9/93
DESIGNED: RICK KRAKORA	DATE: 4/93	PROJECT MGR:	DATE:
RESPONSIBLE ENGINEER: T. SANCHEZ	DATE: 7/26/93	APPROVED/RELEASED:	DATE:

MATERIAL: SEE B.O.M.

SCALE: 1=1 SHEET: 1 of 1 SIZE: D

TITLE: ADVANCED PHOTON SOURCE
S2 B.M. SAFETY SHUTTER
TUNGSTEN BLOCK
ASSEMBLY

DRAWING NUMBER: P4102010108-230000-01

PLOT SCALE:1=1