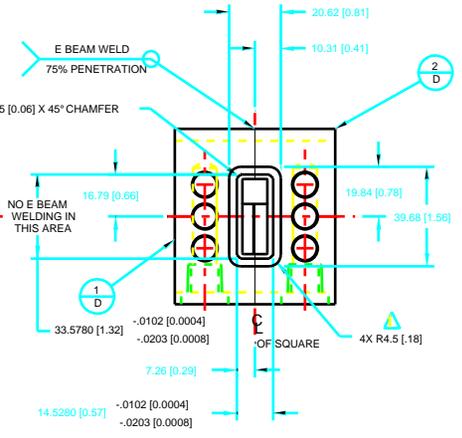
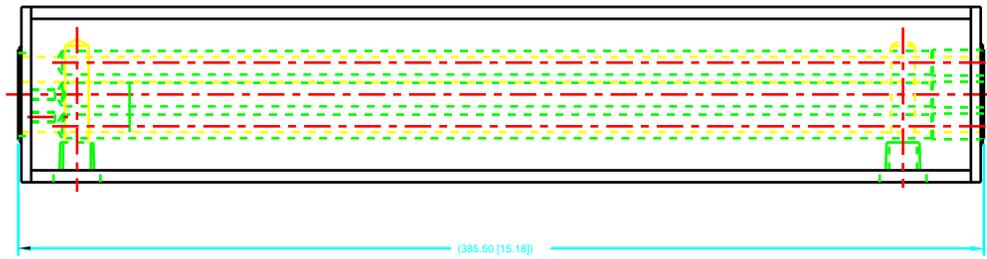
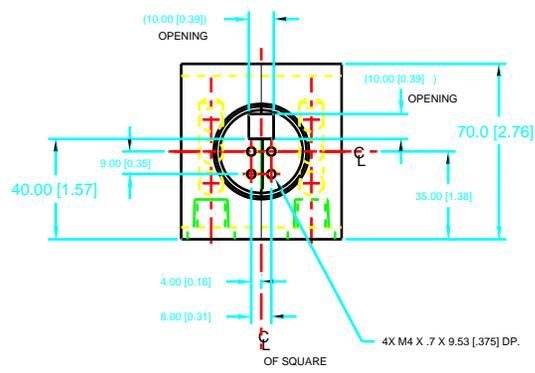


NO E BEAM WELDING IN THIS AREA & REMOVE ALL SST FROM THE AREA



- NOTES:
- THIS IS A ULTRA-HIGH VACUUM COMPONENT (UHV)
  - WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
    - CIMCOOL 5 STAR 49
    - TRIM SOL
  - ALL SURFACES MUST BE MACHINED FOR CLEAN UP
  - FINISHING: WHEN MACHINING VACUUM PARTS USE OF ABRASIVE PAPER OR SANDING DISCS, BUFFING OR POLISHING COMPOUNDS, OR RESIN-BONDED GRINDING WHEELS IS PROHIBITED
  - CLEANING: THE COMPONENT MUST BE CLEANED SUCH THAT A UHV PRESSURE OF 1 X 10<sup>-9</sup> TORR CAN BE ACHIEVED
  - HANDLING: THE COMPONENTS SHALL BE HANDLED WITH WHITE SILK GLOVES AND WRAPPED WITH ALUMINUM FOIL TYPE DRY ANNEAL AND UNDER CLEAN ROOM CONDITIONS
  - DO NOT BREAK SHARP EDGES UNLESS OTHERWISE NOTED
  - DIMENSIONS IN [ ] ARE INCHES AND FOR REF. ONLY

1	4X R4.5 [18] WAS 4X R1.5 [06]	M.J.M			
DATE	CHANGE DESCRIPTION	BY	CHKD	DATE	REVISION

2	P4105091005-400102-02	M5-40 PHOTON STOP RIGHT	SST/GLID-COP	1
1	P4105091005-400101-02	M5-40 PHOTON STOP LEFT	SST/GLID-COP	1

ITEM	QUANTITY	UNITS	DESCRIPTION	MATERIAL / SPEC	REV
1	1		4X R4.5 [18] WAS 4X R1.5 [06]		

**PARTS LIST**

THIS DRAWING IS THE PROPERTY OF  
**ARGONNE NATIONAL LABORATORY**  
 ADVANCED PHOTON SOURCE  
 M5-40 10 X 10 /0.084°  
 UNDULATOR FRONT END  
 PHOTON STOP  
 MAIN BODY WELDMENT

DATE: 11/16/96  
 DRAWN BY: MUSCIA  
 CHECKED BY: SHU/MUSCIA  
 DATE: 9/12/96  
 PROJECT: M5-40  
 PROJECT: M5-40  
 DATE: 11/16/96

SEE PARTS LIST

SCALE: 1:1  
 SHEET: 1 of 1  
 PART NUMBER: P4105091005-400100-01