



**NOTES:**

1. HIGH QUALITY FULLY ANNEALED SEAMLESS TYPE 316, AUSTENITIC STAINLESS STEEL HYDRAULIC TUBING ASTM A212, A269 OR EQUIVALENT HARDNESS Rb 80 OR LESS. TUBING TO BE FREE OF SCRATCHES, O.D. TOLERANCE NOT TO EXCEED -0.03
2. USE PROPER TUBE BENDER TO BEND THE TUBE. KEEP THE TUBE ENDS STRAIGHT AND PROPER ROUNDNESS WITHOUT SCRATCHES.
3. BOTH I.D. AND O.D. OF TUBE SHOULD BE DEBURRED AFTER CUTTING
4. DIMENSIONS WITH [ ] ARE MILLIMETERS AND FOR REF. ONLY

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
REVISIONS				

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
<b>PARTS LIST</b>				
<small>UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES</small> <small>TOLERANCES</small> DECIMALS      ANGULAR .X - .1 [2.5]      - 0°30' .XX - .01 [0.25] .XXX - .005 [0.13]  SURFACE ROUGHNESS      125 ✓  REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.  SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1  DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5  DO NOT SCALE DRAWING		LOG NUMBER <b>L5920007-00</b>	<small>THIS DRAWING IS THE PROPERTY OF</small> <b>ARGONNE NATIONAL LABORATORY</b>	
DRAWN BY <b>MUSCIA</b>	DATE <b>9/27/00</b>	CHIEF DESIGN ENGINEER <b>D. SHU</b>	DATE <b>10/11/00</b>	<b>ADVANCED PHOTON SOURCE</b>  <b>L5-92 APS UNDULATOR            WHITE BEAM H &amp; V            GRAZING - INCIDENCE            MOVEABLE MASK            6 TH COOLING TUBE</b>
CHECKED BY <b>SHU/BRAJUSKOVIC</b>	DATE <b>10/6/00</b>	GP LEADER <b>P. DEN HARTOG</b>	DATE	
DESIGNER <b>SHU/MUSCIA</b>	DATE <b>9/27/00</b>	PROJECT MGR.	DATE	
RESPONSIBLE ENGINEER <b>D. SHU</b>	DATE <b>10/11/00</b>	APPROVED/RELEASED	DATE	
MATERIAL <b>316 STAINLESS STEEL TUBING            .375 O.D. X .035 THK. WALL</b>		SCALE <b>1:1</b>	SIZE <b>B</b>	
			SHEET <b>14</b>	DRAWING NUMBER <b>L5-920007-00</b>