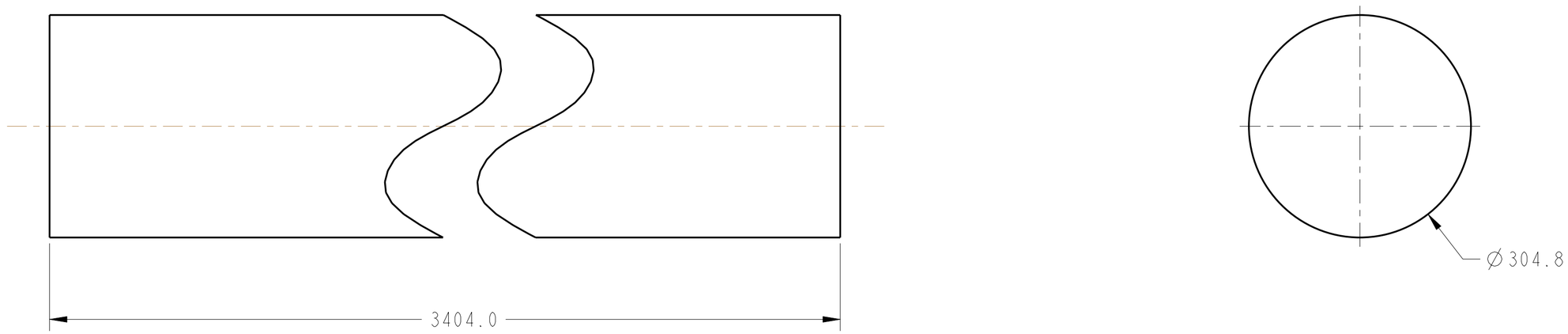
REVISIONS					
ZONE	REV	DESCRIPTION	BY	APPROVED	DATE



NOTE:
1. ALL DIMENSIONS ARE IN MILLIMETERS, SURFACE FINISH IN MICRONS.
2. ALL DIMENSIONAL TOLERANCES ARE +2mm/-0mm.

ITEM	DRAWING / PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY

PARTS LIST / BILL OF MATERIALS

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm INCHES ARE FOR REFERENCE ONLY TOLERANCES

DECIMALS: X. ±.5 mm; .X ±.2 mm; .XX ±.08 mm
ANGULAR ±.3°

SURFACE FINISH IN MICRONS 3.2

REMOVE ALL BURRS AND BREAK SHARP EDGES .76 MAX. SURFACE TEXTURE IN ACCORDANCE WITH LATEST ASME B46.1-2002 DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH LATEST ASME Y14.5M-1994

DRAWN BY: T. GRABINSKI	DATE 09-Sep-04	
XFD GROUP LEADER: P. DEN HARTOG	DATE	
DESIGNED BY: T. GRABINSKI	DATE 09-Sep-04	
RESPONSIBLE ENGINEER: E. TRAKHTENBERG	DATE	
CAM: M. WHITE	DATE	
LCLS MANAGER: S. V. MILTON	DATE	
MODEL NAME: L143-110701	RELEASE LEVEL: RELEASED	MODEL VER: 5 / DRWG VER: 10
ELECTRONIC FILE NAME: A3675900	MATERIAL DESCRIPTION: ASTM B381 F2 TITANIUM GRADE 2	
SLAC SPIRES TITLE: LCLS_UND_MAG_STRBK_FRGG		

THIS DRAWING IS THE PROPERTY OF
ARGONNE NATIONAL LABORATORY
ADVANCED PHOTON SOURCE

LCLS LINAC COHERENT LIGHT SOURCE
UNDULATOR SYSTEM

UNDULATOR UNIT ASSEMBLY
MAGNET STRUCTURE
UNDULATOR MAGNET ASSEMBLY
STRONGBACK FORGING

SIZE	ANL DRAWING NUMBER	SLAC DRAWING NUMBER	REV.
C	L143-110701	PF-381-000-87	00

FSCM No. 0HRH5 | SCALE: 0.200 | DO NOT SCALE DRAWING | SHEET 1 OF 1