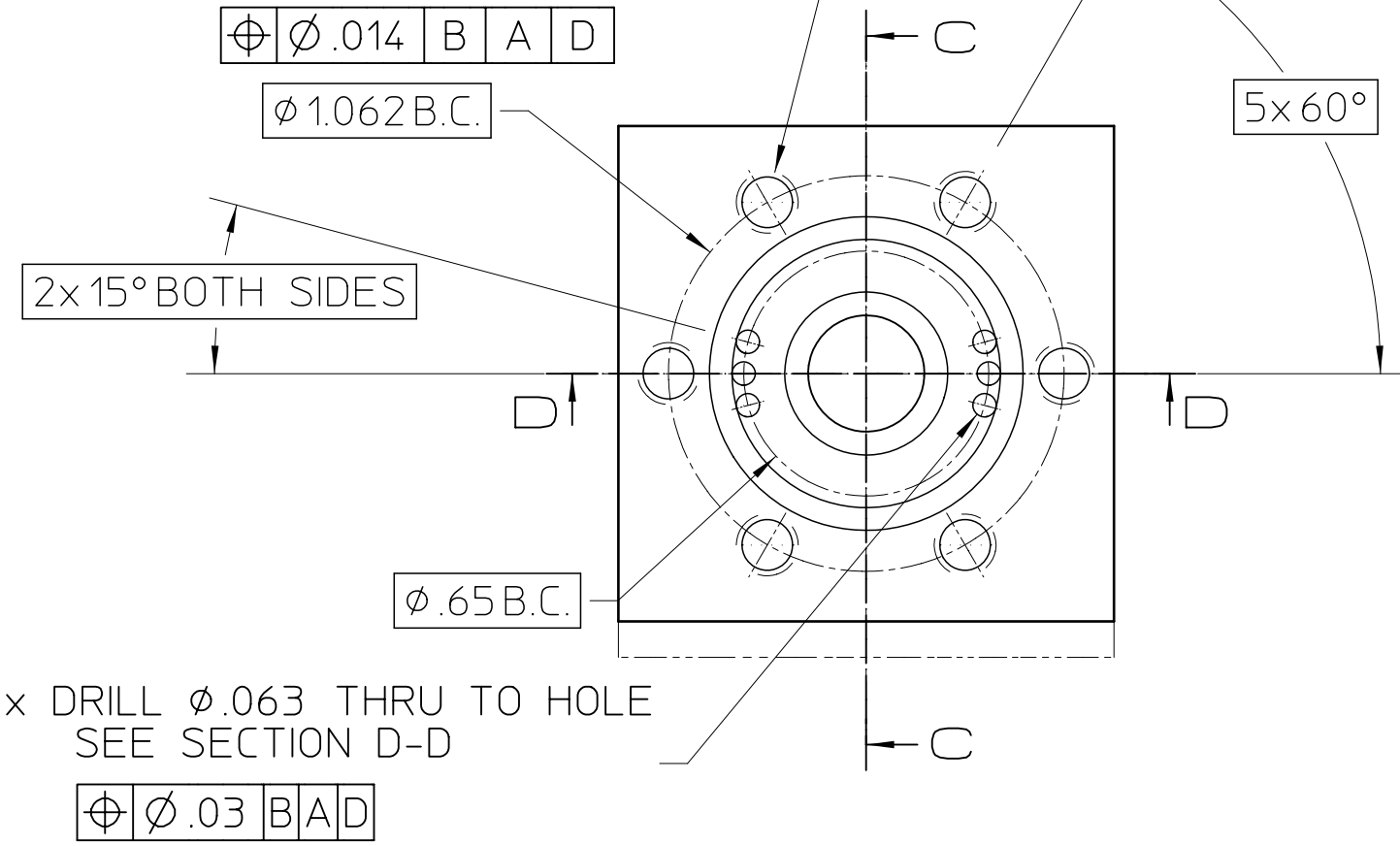
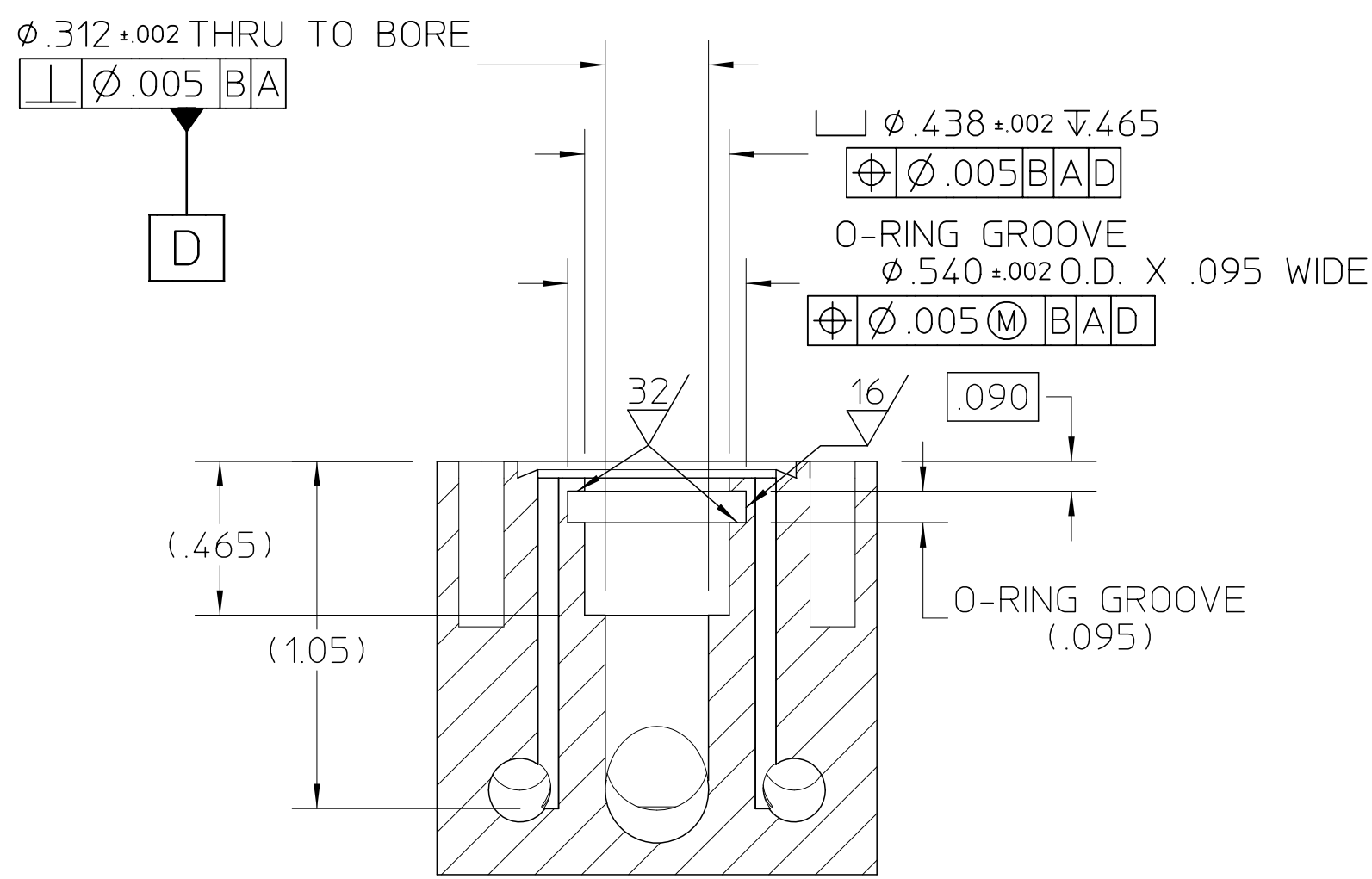


6x TAP DRILL #29 (ϕ .136) ∇ .38-50
8-32 UNC-2B ∇ .313 MIN FULL THD



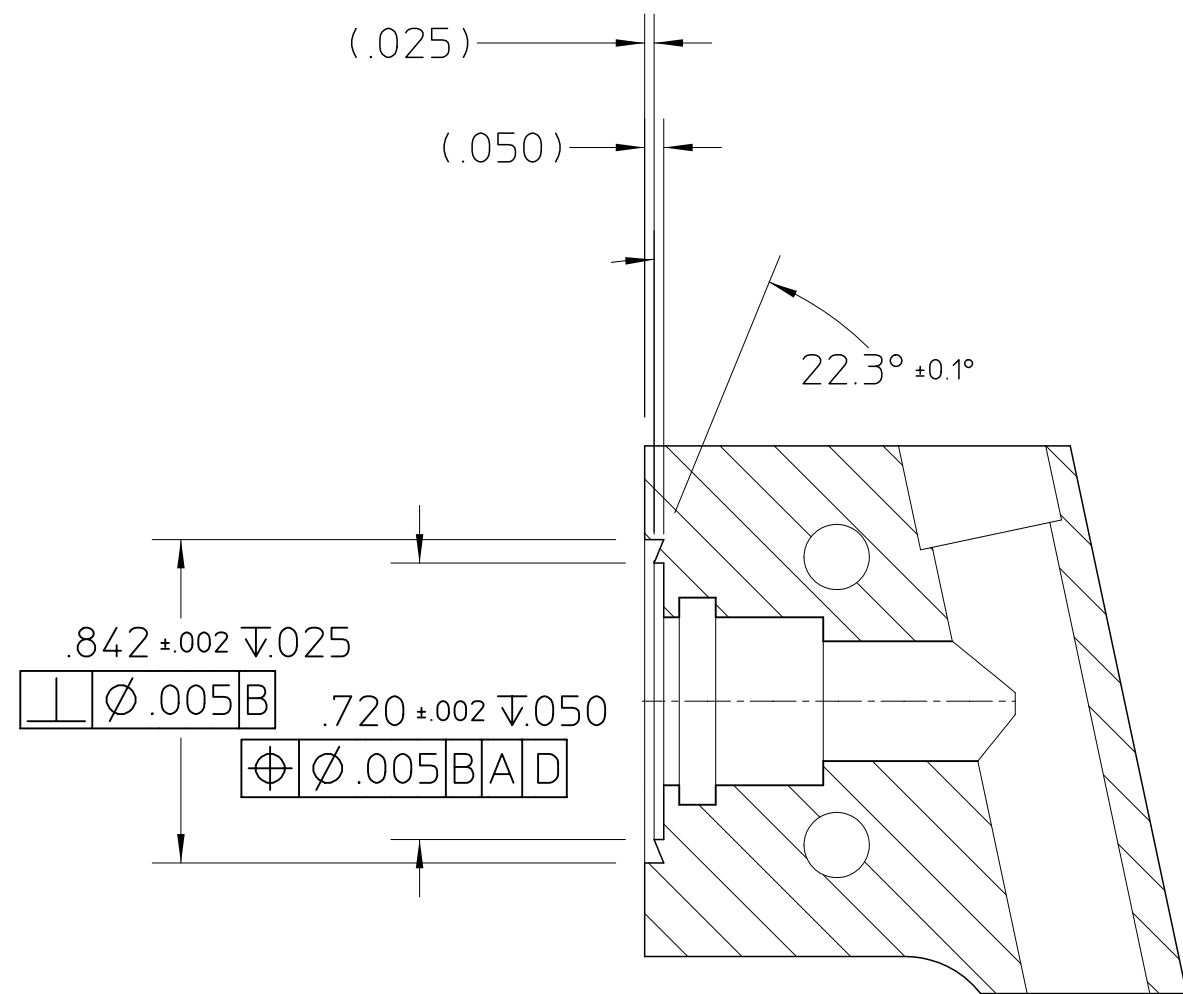
DETAIL 1
SCALE 2/1
STANDARD 1-1/3 MINI-CFF KNIFE EDGE



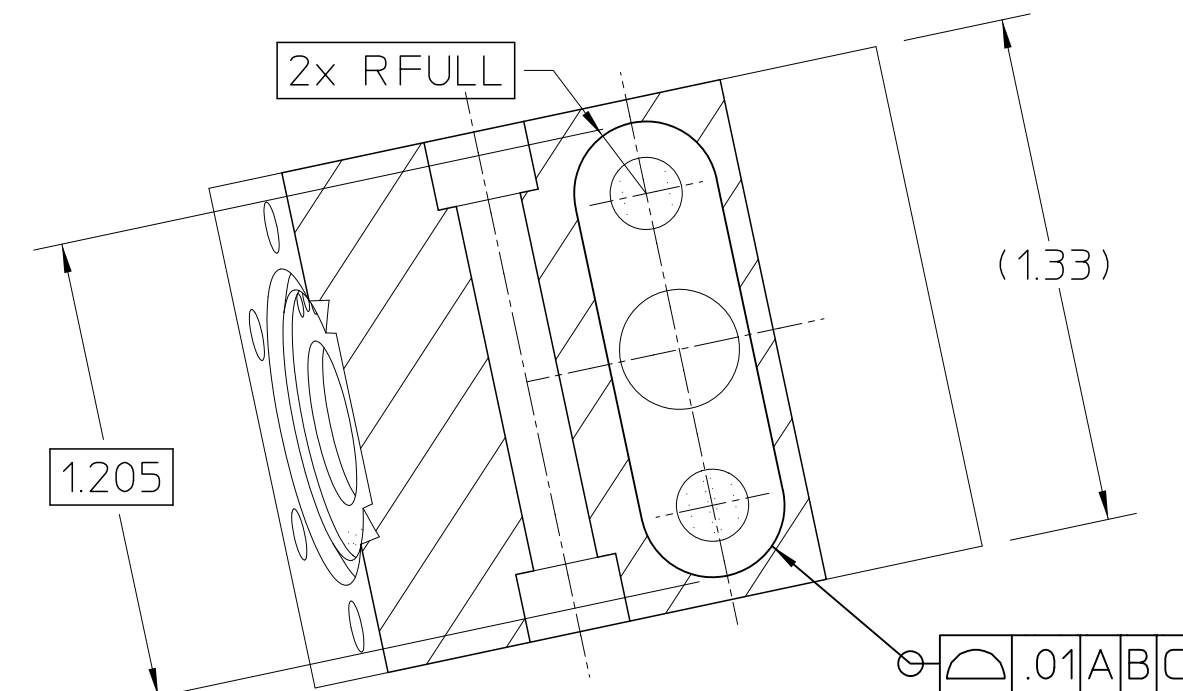
SECTION D-D
SCALE 2/1
O-RING GROOVE DETAILS

NOTES: UNLESS OTHERWISE SPECIFIED:

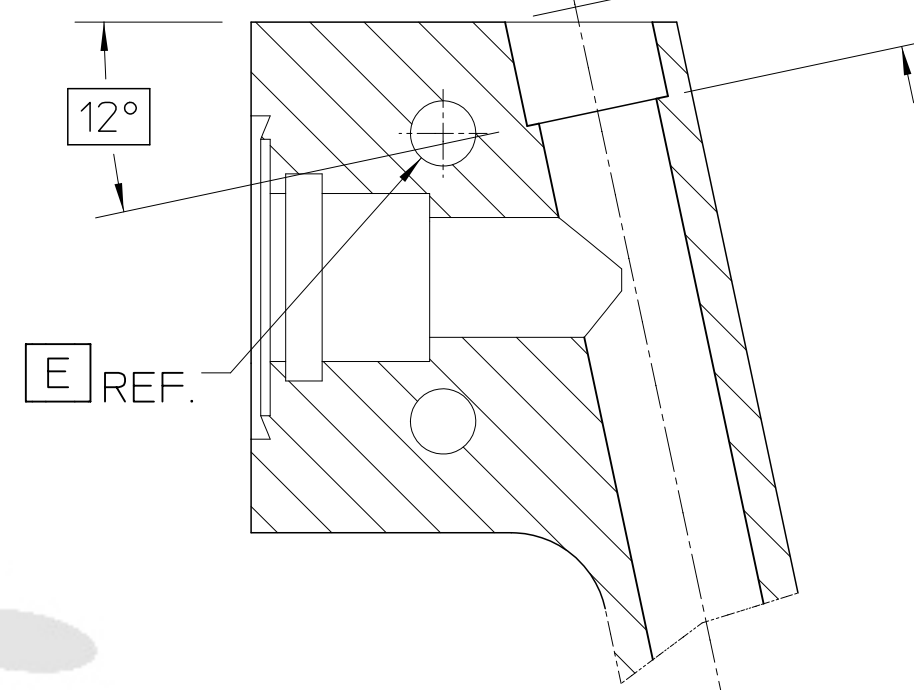
- DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
ALL DIMENSIONS ARE IN INCHES. REFERENCE DIMENSIONS
ARE SHOWN IN PARETHESES. NOT ALL HIDDEN LINES ARE
SHOWN.
- THIS IS AN ULTRA-HIGH VACUUM (UHV) PART AND REQUIRES
SPECIAL ATTENTION TO AVOID UHV CONTAMINATION. READ
LBNL SPECIFICATION M773 BEFORE CLEANING.
- PROTECT FINISHED PART BY BAGGING OR SIMILAR METHOD TO
PROTECT AND MAINTAIN CLEANLINESS DURING SHIPMENT AND
STORAGE. TAKE CARE NOT TO DING, SCRATCH, DENT, OR
OTHERWISE MARK ANY ANY MACHINED SURFACE.



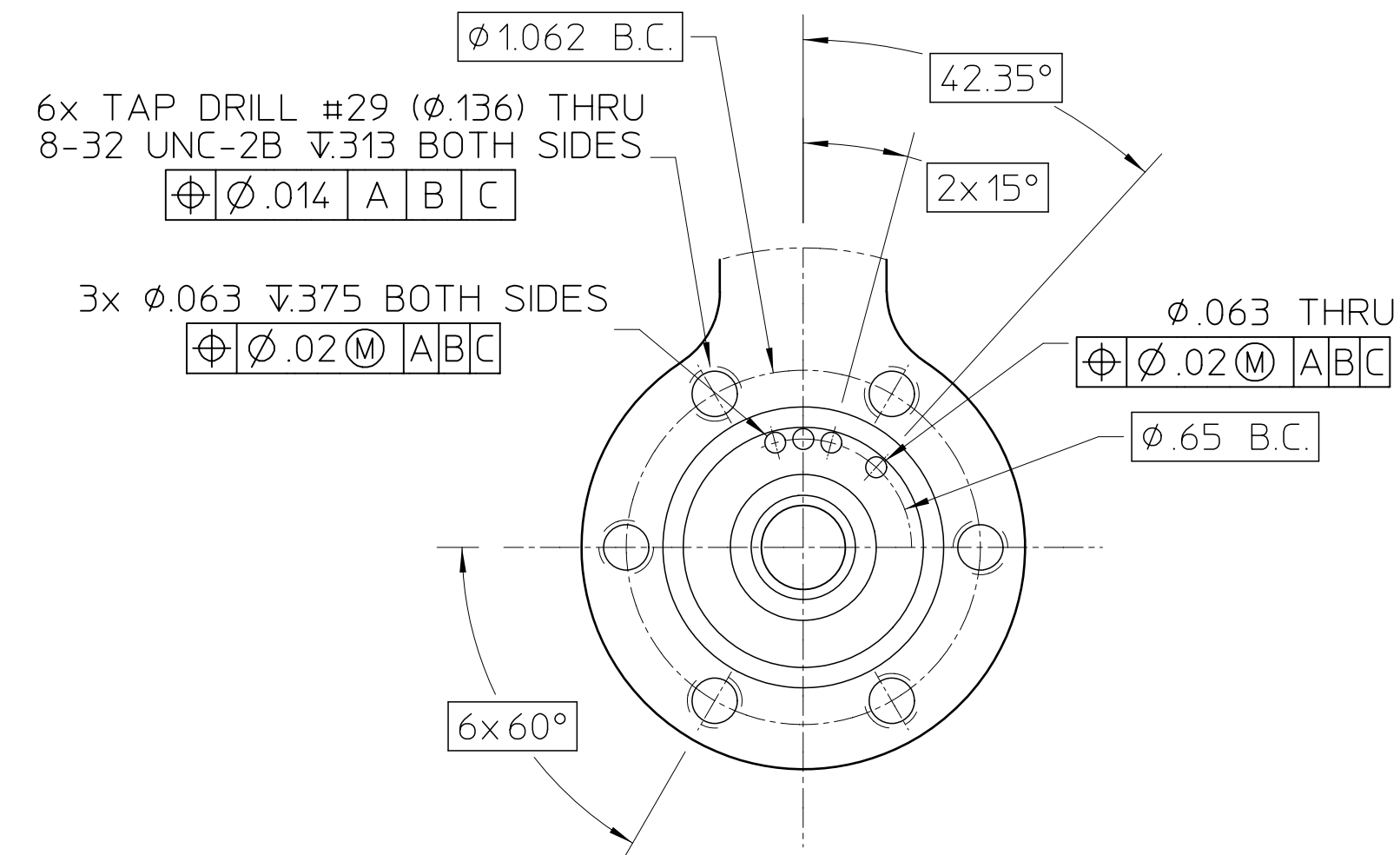
SECTION C-C
TYP 3 PLACES
SCALE 2/1
STANDARD 1-1/3 MINI-CFF KNIFE EDGE



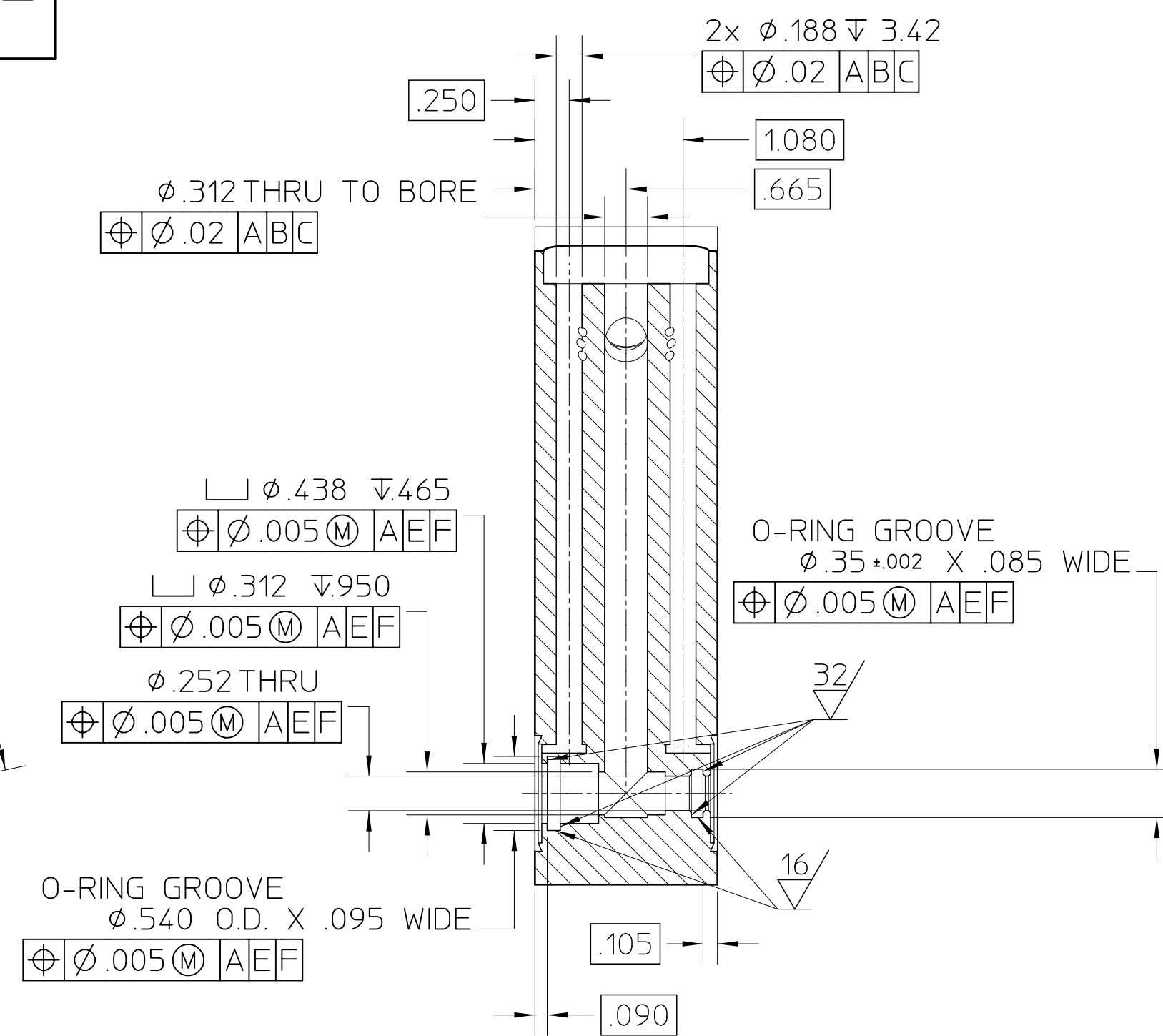
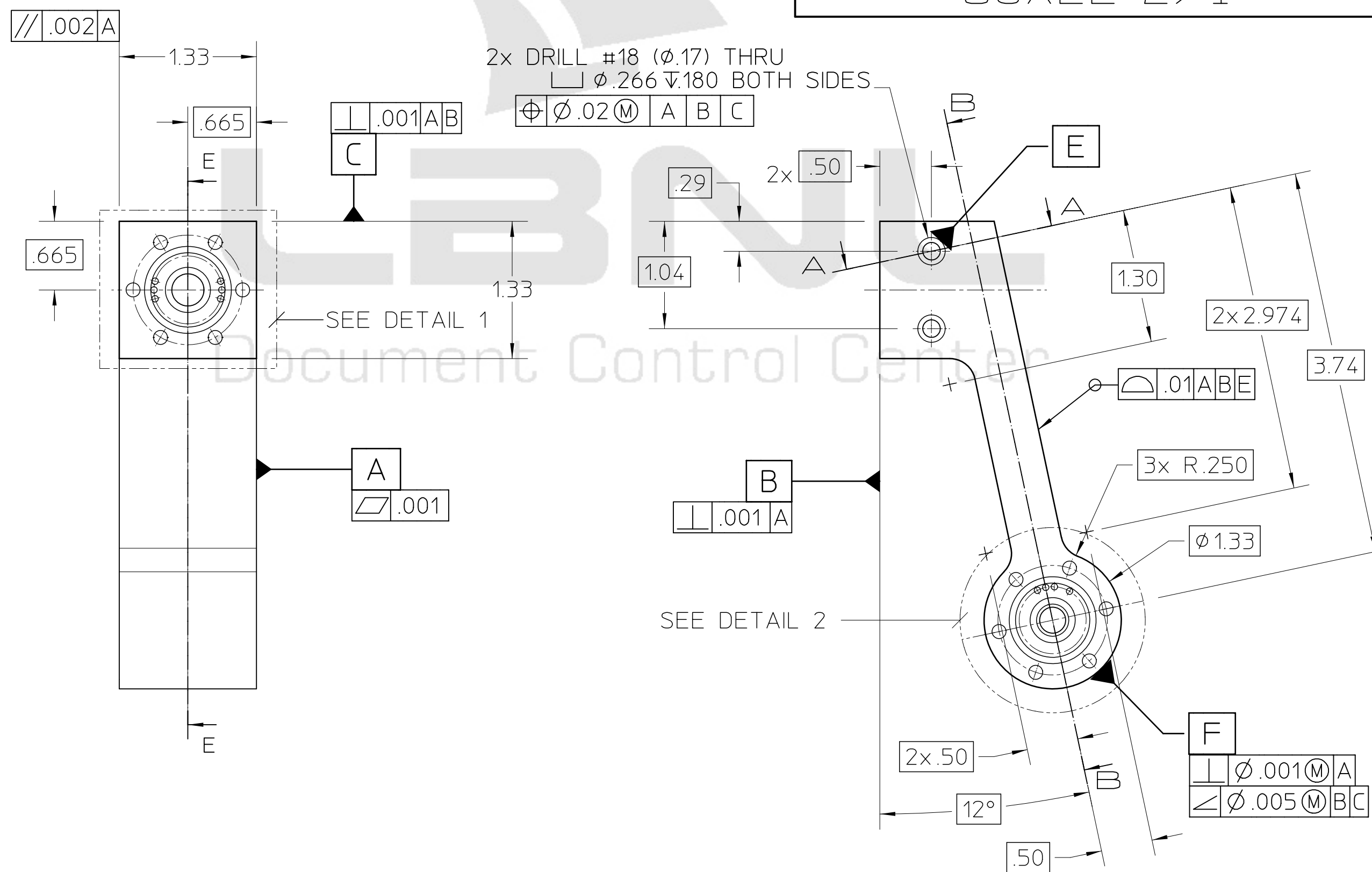
SECTION A-A
SCALE 2/1



PARTIAL SECTION E-E
SCALE 2/1



DETAIL 2
TYP BOTH SIDES
SCALE 2/1
STANDARD 1-1/3 MINI-CFF KNIFE EDGE
ROTATED 12° FOR CLARITY



SECTION B-B
ROTATED 12° FOR CLARITY

REV	AUTHOR	APPROVER	DATE	CHANGE DESCRIPTION
B	wingert	wingert	05-23-05	ADDED DIMENSIONS
A	wingert	wingert	04-07-05	INITIAL REVISION

UNLESS OTHERWISE SPECIFIED	PROJECT NAME:
FRACTIONS: * 1/64	Advanced Light Source
ANGLES: * 0.5°/INCH	UNIQUE NUMBER: AL-0013-1648
MACH. SURFS.: 125 OR BETTER	DO NOT SCALE PRINT
REF: ASME Y14.5M-1994, THREADS ARE CLASS 2	CATEGORY CODE: AL 4045
BREAK EDGES .016 MAX. ON MACHINED WORK	SCALE: 1:1
REMOVE BURRS, WELD SPATTER & LOOSE SCALE	THIRD ANGLE PROJECTION

MAT 2:	NOTES:
MAT 1: SST TYPE 304	NOTES:

PROJECT NAME:	ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA
UNIQUE NUMBER: AL-0013-1648	ALS - INSERTION DEVICE BEAMLINES
DO NOT SCALE PRINT	BL 4.0.2 - MONOCHROMATOR
CATEGORY CODE: AL 4045	GRATING COOLING, RETURN MANIFOLD
SCALE: 1:1	SHEET 1 OF 1
THIRD ANGLE PROJECTION	SIZE: D DWG NO: 26B718 REV B