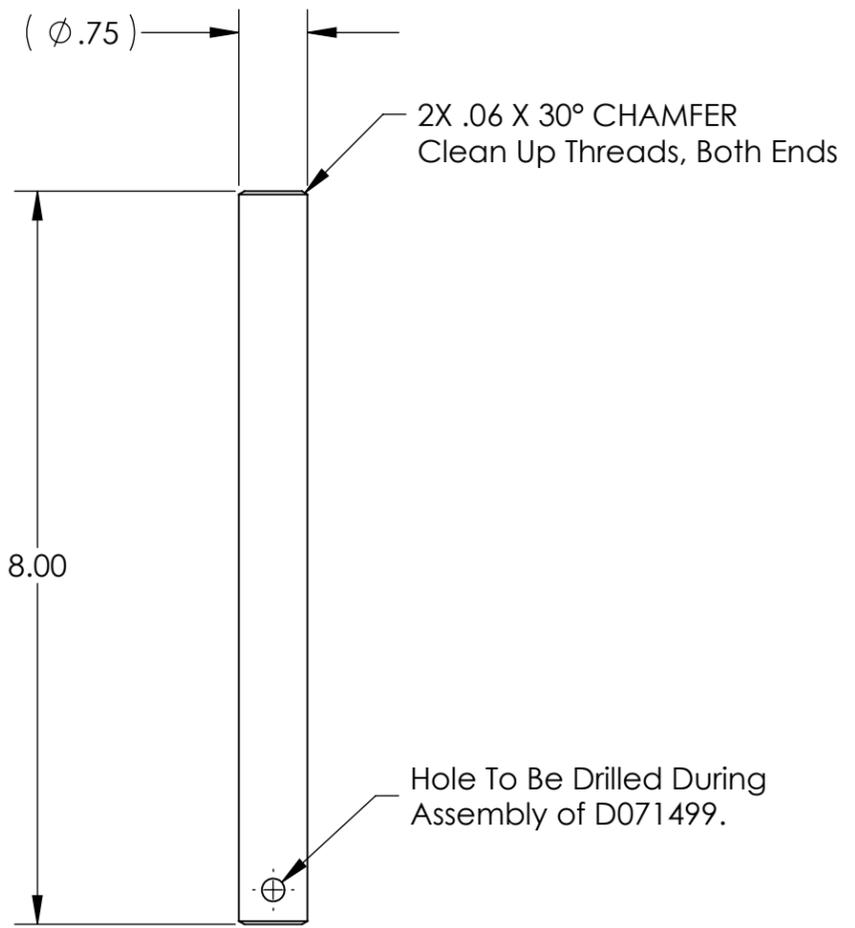
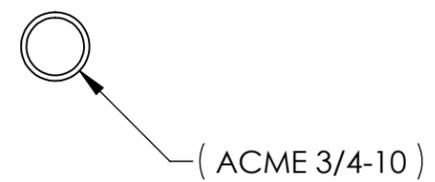


REVISION HISTORY				
REV	DATE	ECO	APPROVAL	DESCRIPTION
V1 / B	18 Jul 2007	1070	D. Senders	Release for Enhanced LIGO.
V2	23 Apr 2009		A. Stein	Release for Advanced LIGO. Eliminated turned-down section.



MANUFACTURING NOTES:

- 1) MACHINE FROM 304 SS ACME 3/4"-10 THREADED ROD, **McMASTER-CARR P/N 98980A395**.
- 2) ALL MACHINING FLUIDS MUST BE WATER SOLUBLE AND FREE OF SULFUR, CHLORINE, AND SILICONE, SUCH AS CINCINNATI MILACRON CIMTECH 410.
- 3) THOROUGHLY CLEAN PART TO REMOVE ALL OIL, GREASE, DIRT, AND CHIPS.

POST-MANUFACTURING NOTES:

- P1) CLEAN TO LIGO STANDARDS, CLASS B (PER E0900047 AND E960022).

APPROVALS	DATE
ENGINEERING (HPD): D. Senders	8/2/2007
QUALITY (HPD): C. Danaher	8/2/2007
MATERIAL:	See Notes
FINISH:	See Notes
MASS:	1.0 lbs

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 DECIMAL TOLERANCES:
 .XX ±.015 .XXX ±.005
 ANG TOL: ± 1° SURFACE ROUGHNESS: 63
 REMOVE ALL SHARP EDGES.
 LEAVE .005 X 45° MIN CHAMFER,
 OR .005 MIN RADIUS.
 THIS PRINT & THE EMBEDDED CAD
 MODEL ARE THE DOCUMENTATION OF
 RECORD. UNLESS OTHERWISE SPECIFIED,
 ALL FEATURES MUST CONFORM TO .010
 TOTAL WIDE PROFILE OF A SURFACE.

ORIGINAL DESIGN BY:		High Precision Devices		MODIFIED BY:
		1668 Valtec Lane, Suite C, Boulder, Colorado 80301		
		Phone: (303) 447-2558 Fax: (303) 447-2548 Web Site: www.hpd-online.com		
DESCRIPTION: Spring Pull-Down, ACME Screw				
P/N: D071309		CONFIG: -		
CAD FILE NAME: D071309_Spring_Pull-Down-ACME_Screw				
PROJECT: HAM ISI, Advanced LIGO				
SIZE B	SCALE: 1:2	DRAWN BY: Dave Senders (HPD)		REV
SHEET 1 OF 1	DATE PRINTED: 4/24/2009		V2	