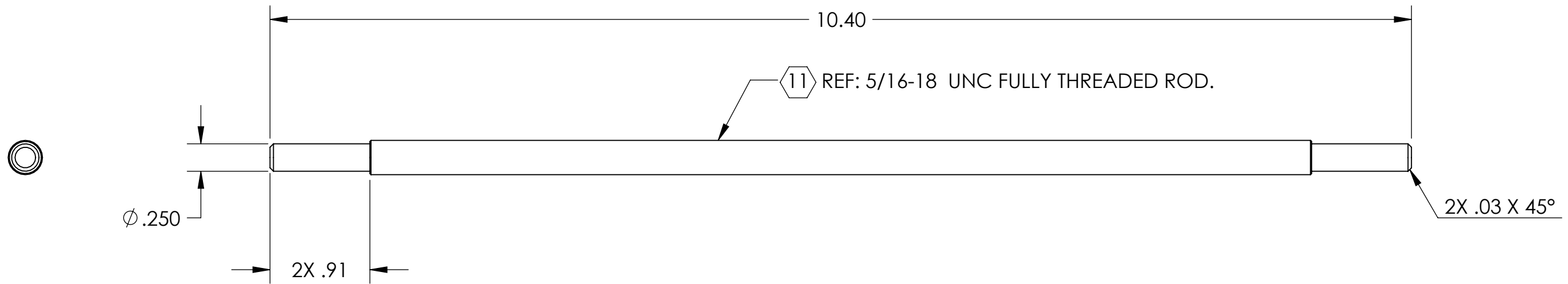
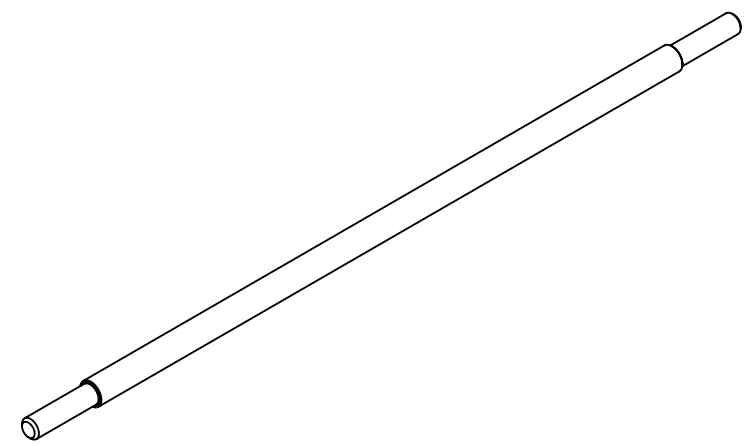


8 7 6 5 4 3 2 1

**NOTES CONTINUED:**  
 5. SCRIBE, ENGRAVE, OR MECHANICALLY STAMP (NO DYES OR INKS) A UNIQUE THREE DIGIT SERIAL NUMBER & REVISION NUMBER ON EACH PART. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. BAG AND TAG PARTS WITH THEIR DRAWING PART NUMBER, REVISION, VARIANT OR "TYPE" (IF APPLICABLE), AND QUANTITY. IF PARTS ARE TOO SMALL TO SCRIBE, BAGGING AND TAGGING ALONE IS SUFFICIENT.  
 EXAMPLE (PART): 001-v1  
 EXAMPLE (TAG): DXXXXXX-VY, TYPE-XX, QTY: TBD  
 6. APPROXIMATE WEIGHT = .22 LB [.10 KG].  
 7. MACHINE ALL SURFACES (EXCEPT THREADING) TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED.  
 8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.  
 9. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS OR PLUGS UNLESS APPROVED IN ADVANCE IN WRITING BY LIGO). REFER TO LIGO SPECIFICATION E0900364.  
 10 MAKE FROM:  
 McMASTER-CARR# 93250A062 (OR EQUIV),  
 5/16-18 UNC FULLY THREADED ROD, 12.00" LENGTH,  
 316 STAINLESS STEEL.

REV.	DATE	DCN #	DRAWING TREE #
v1	22 DEC 2010	E1000762-v1	-
v2	11 JAN 2011	E1100019-v1	-
-	-	-	-



REF: MAKE FROM MCMASTER CARR PART 10

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN INCHES		1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, R.02 MIN. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.		ADVANCED LIGO		aLIGO TMS TELESCOPE ROLL MASS ADJ. ROD	
TOLERANCES: .XX ± .01 .XXX ± .005		MATERIAL 10		SUB-SYSTEM AOS		DESIGNER K. MAILAND 10/26/2010	
ANGULAR ± 1.0°		FINISH 63 μinch Ra		NEXT ASSY D1001160		DRAFTER M. MILLER 11/17/2010	
				SCALE: 1:1		SIZE DWG. NO. B D1002768	
				PROJECTION:		REV. v2	
				SHEET 1 OF 1			

D1002768 aLIGO\_TMS\_Telescope\_Roll\_Mass\_Adj\_Rod\_PART PDM REV: X-018, DRAWING PDM REV: X-026

8 7 6 5 4 3 2 1