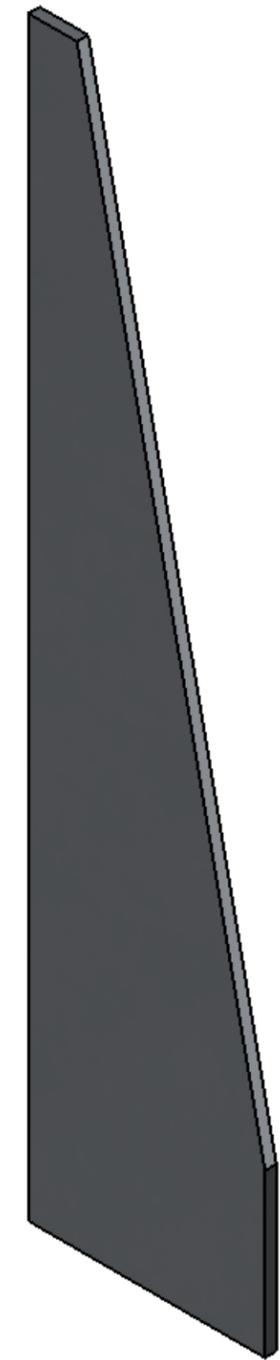
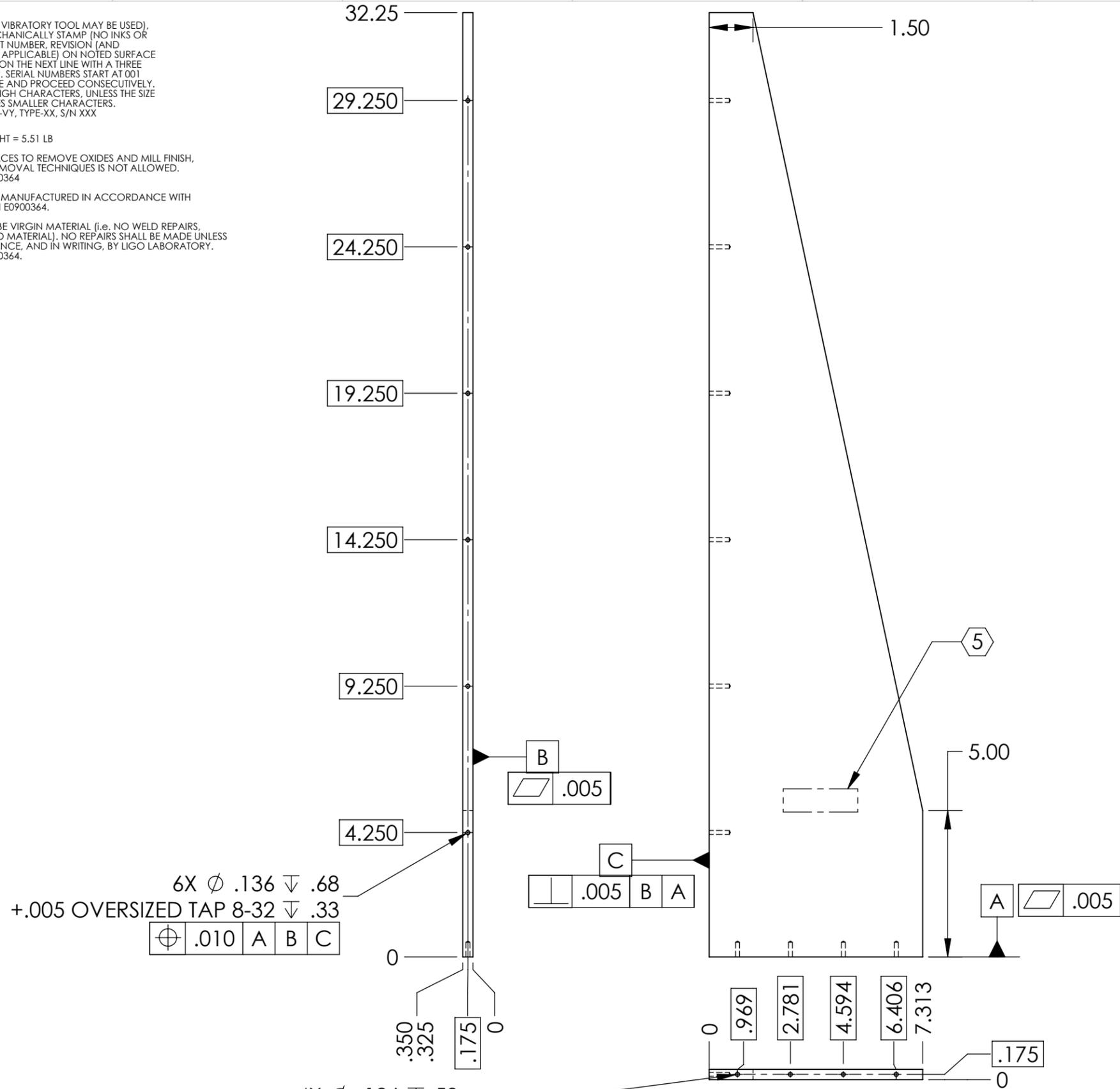


D1300342\_WEB, aLIGO TCS HWSX-HWSY PERISCOPE, PART PDM REV: X-002, DRAWING PDM REV: X-004

- NOTES CONTINUED:**
- 5. SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX
  - 6. APPROXIMATE WEIGHT = 5.51 LB
  - 7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-E0900364
  - 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, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-E0900364.

REV.	DATE	DCN #	DRAWING TREE #
v1	25-APR-13	E1300281-x0	E1300170-v1
-	-	-	-
-	-	-	-



6X  $\phi$  .136  $\nabla$  .68  
 +.005 OVERSIZED TAP 8-32  $\nabla$  .33

$\oplus$ .010	A	B	C
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4X  $\phi$  .136  $\nabla$  .50  
 +.005 OVERSIZED TAP 8-32  $\nabla$  .43

$\oplus$ .010	B	C	A
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B  $\nabla$  .005

C  $\nabla$  .005 B A

A  $\nabla$  .005

**NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)**

DIMENSIONS ARE IN INCHES

TOLERANCES:  
 .XX  $\pm$  .01  
 .XXX  $\pm$  .005

ANGULAR  $\pm$  1.0°

1. INTERPRET DRAWING PER ASME Y14.5-1994.  
 2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS.  
 3. DO NOT SCALE FROM DRAWING.  
 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.

MATERIAL 6061 Alloy FINISH 63  $\mu$ inch

**LIGO** CALIFORNIA INSTITUTE OF TECHNOLOGY  
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM ADVANCED LIGO SUB-SYSTEM AOS

NEXT ASSY D1300198

PART NAME WEB, aLIGO TCS HWSX-HWSY PERISCOPE			
DESIGNER	M. JACOBSON	04-FEB-2013	SIZE DWG. NO.
DRAFTER	M. JACOBSON	17-APR-13	B D1300342
CHECKER	J. LEWIS	18-APR-13	
APPROVAL	A. BROOKS	22-APR-13	SCALE: 1:4
PROJECTION:			SHEET 1 OF 1

REV. v1