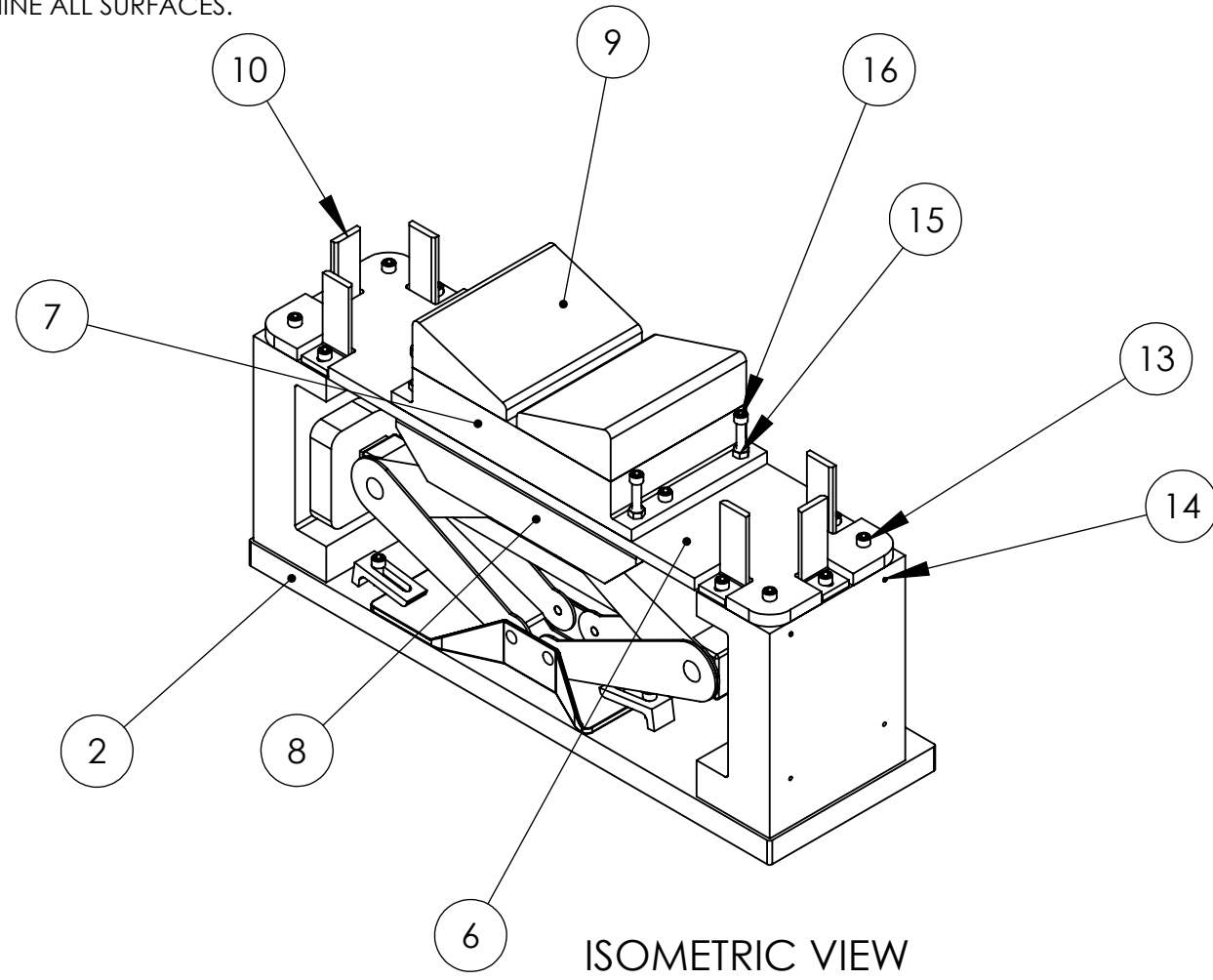
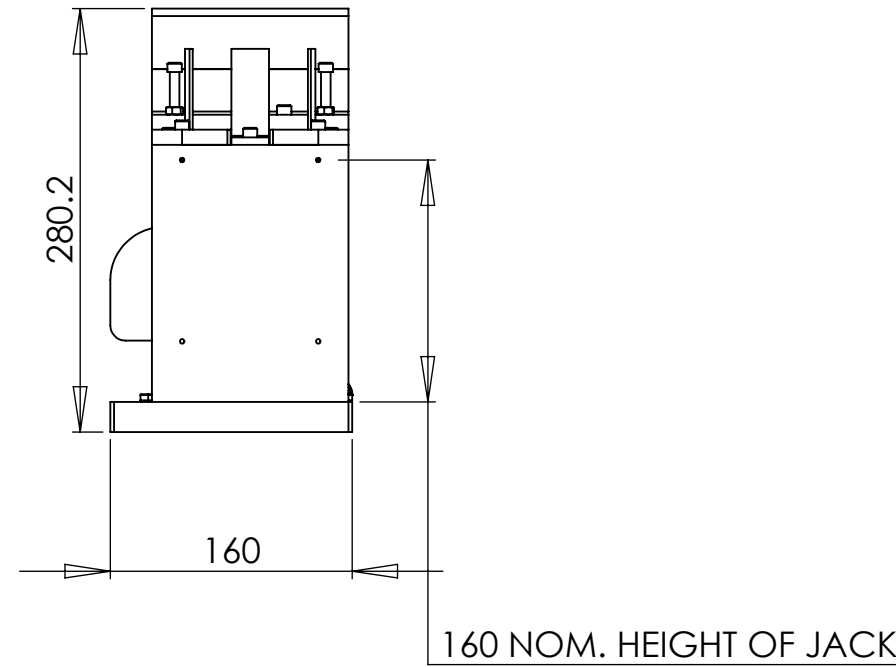


NOTES CONTINUED:  
 ⑤ SCRIBE, ENGRAVE, OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER AND REVISION ON NOTED SURFACE FOLLOWED ON THE NEXT LINE BY A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE .07" HIGH CHARACTERS. EXAMPLE: DXXXXXX-VY, S/N 001. A VIBRATORY TOOL MAY BE USED.

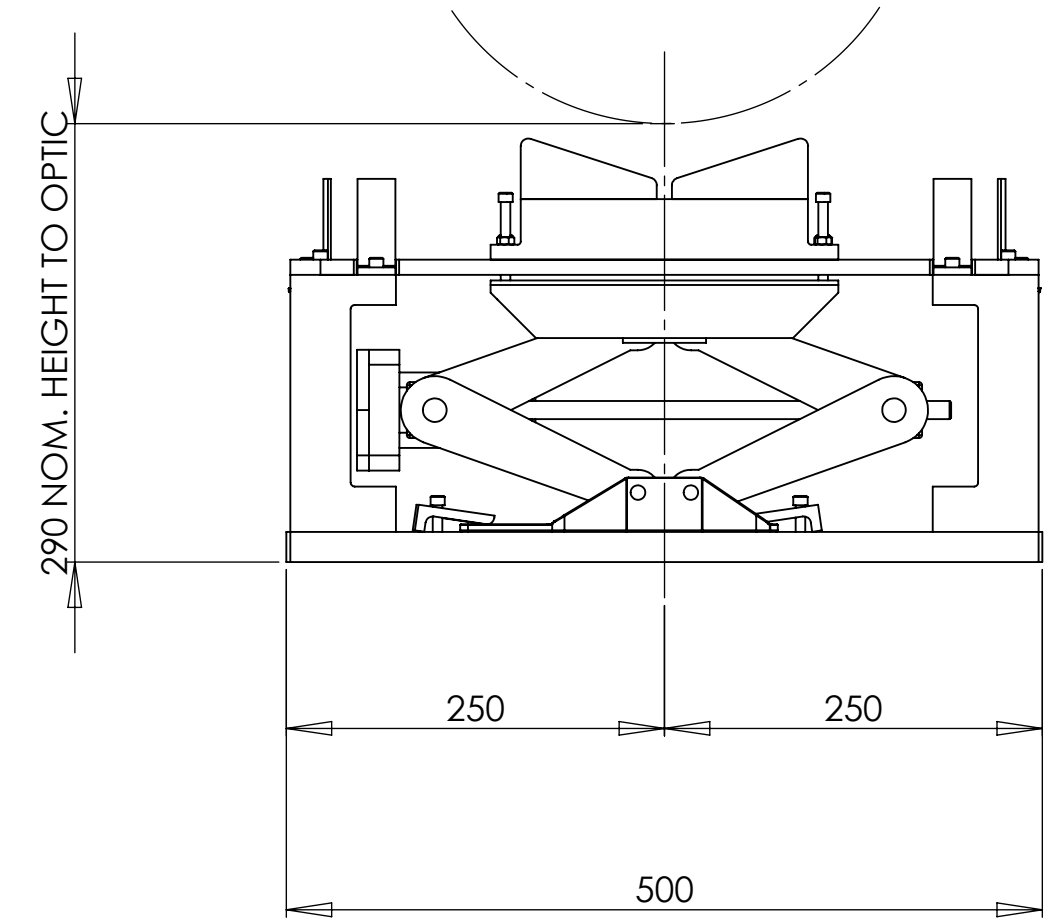
⑥ MACHINE ALL SURFACES.



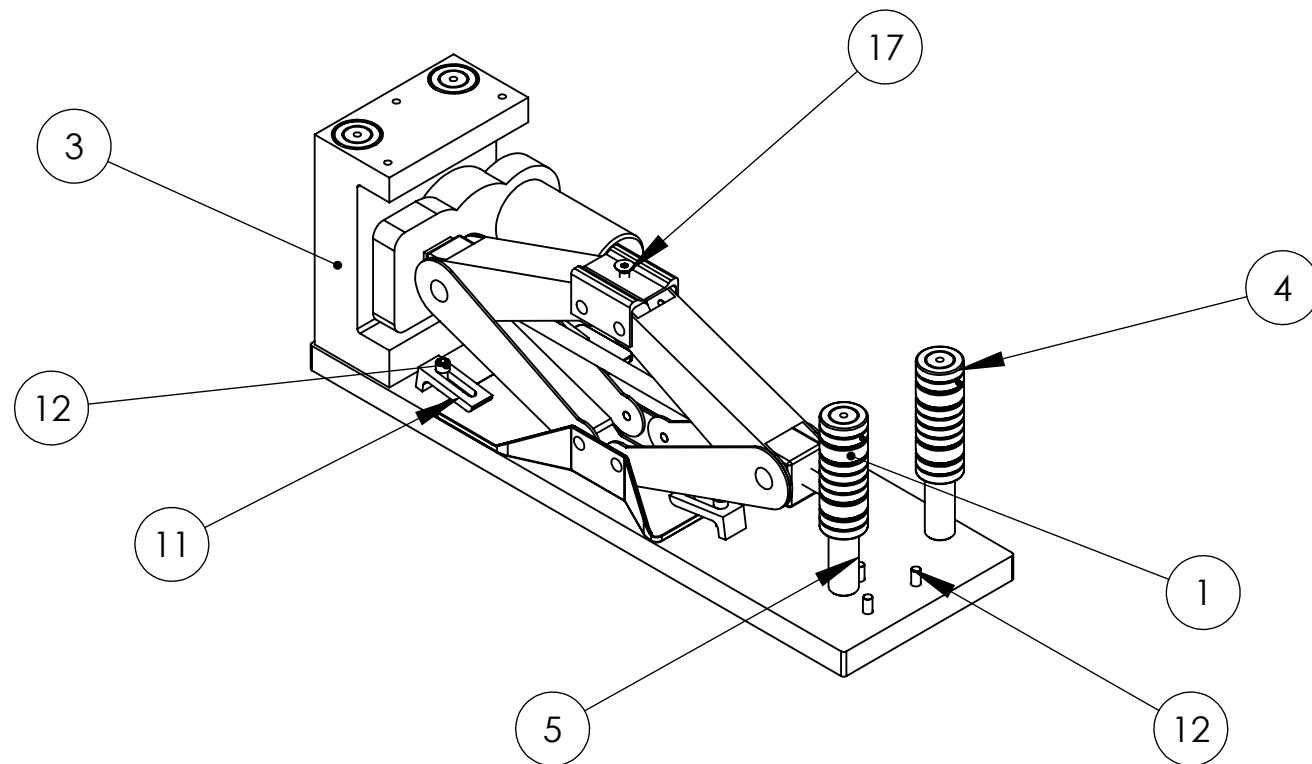
NOTES:-  
 1. RANGE OF JACK TRAVEL +20mm / -30mm.  
 MAXIMUM HEIGHT OF JACK 210mm.  
 MINIMUM HEIGHT OF JACK 160mm.  
 THESE EXTREMES MUST NOT BE EXCEEDED IN ORDER TO MAINTAIN THE STRUCTURE OF THE ASSEMBLY.



REV.	DATE	DCN #	DRAWING TREE #



1-HOLE TAPPED 1/4-20 THRU' CENTRE OF SCISSOR JACK TOP PLATE SUITABLE FOR HEX. SKT. CSK. HEAD SCREW FOR ATTACHING JACK SUPPORT CHANNEL



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPAR E	TOTA L
17		1/4-20 flat head cap screw	STAINLESS STEEL	1		1
16	-	SCREW, SOCKET HEAD CAP, 1/4-20 UNC-2A X 1.5 LONG	Ag-PLATED 300 SSSL	6		6
15		NUT 1/4-20 FULL	STEEL.-BZP-GRADE 8	6		6
14		#4-40 GRUB SCREW	STAINLESS STEEL	4		4
13	-	SCREW, SOCKET HEAD CAP, 1/4-20 UNC-2A X 0.75 LONG	Ag-PLATED 300 SSSL	14		14
12	-	SCREW, SOCKET HEAD CAP, 1/4-20 UNC-2A X 1 LONG	Ag-PLATED 300 SSSL	9		9
11		THORLABS CL5 TABLECLAMP	Material <not specified>	3		3
10	D0901305	GUIDE ANGLE	6061-T6 Al	6		6
9	D0901306	OPTIC SUPPORT PAD	PTFE (general)	2		2
8	D0901307	JACK SUPPORT CHANNEL	6061-T6 Al	1		1
7	D0902780	OPTIC SUPPORT BLOCK	6061-T6 Al	1		1
6	D0901034	UPPER SUPPORT PLATE	6061-T6 Al	1		1
5	D0901308	LINEAR BEARING SHAFT	Alloy Steel	4		4
4	RS 217-9710	LINEAR BEARING 20MM ID	Material <not specified>	8		8
3	D0901309	LINEAR BEARING HOUSING BLOCK	6061-T6 Al	2		2
2	D0901303	LOWER SUPPORT PLATE	6061-T6 Al	1		1
1		ELECTRIC CAR JACK	AISI 304	1		1

PART SECTIONED ISOMETRIC VIEW WITH UPPER STRUCTURE COMPONENTS REMOVED FOR CLARITY

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:  
 .XX ± .10  
 .XXX ± .010

ANGULAR ± 0.2°

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.

MATERIAL N/A

FINISH N/A μm

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

SYSTEM ADVANCED LIGO

SUB-SYSTEM SUS

NEXT ASSY

PART NAME

MASS JACK ASSEMBLY

DESIGNER L.CUNNINGHAM 16/06/2009

DRAFTER L.CUNNINGHAM

CHECKER

APPROVAL

SIZE DWG. NO.

c D0901302

SCALE: 1:5

PROJECTION:

REV.

v4

SHEET 1 OF 1