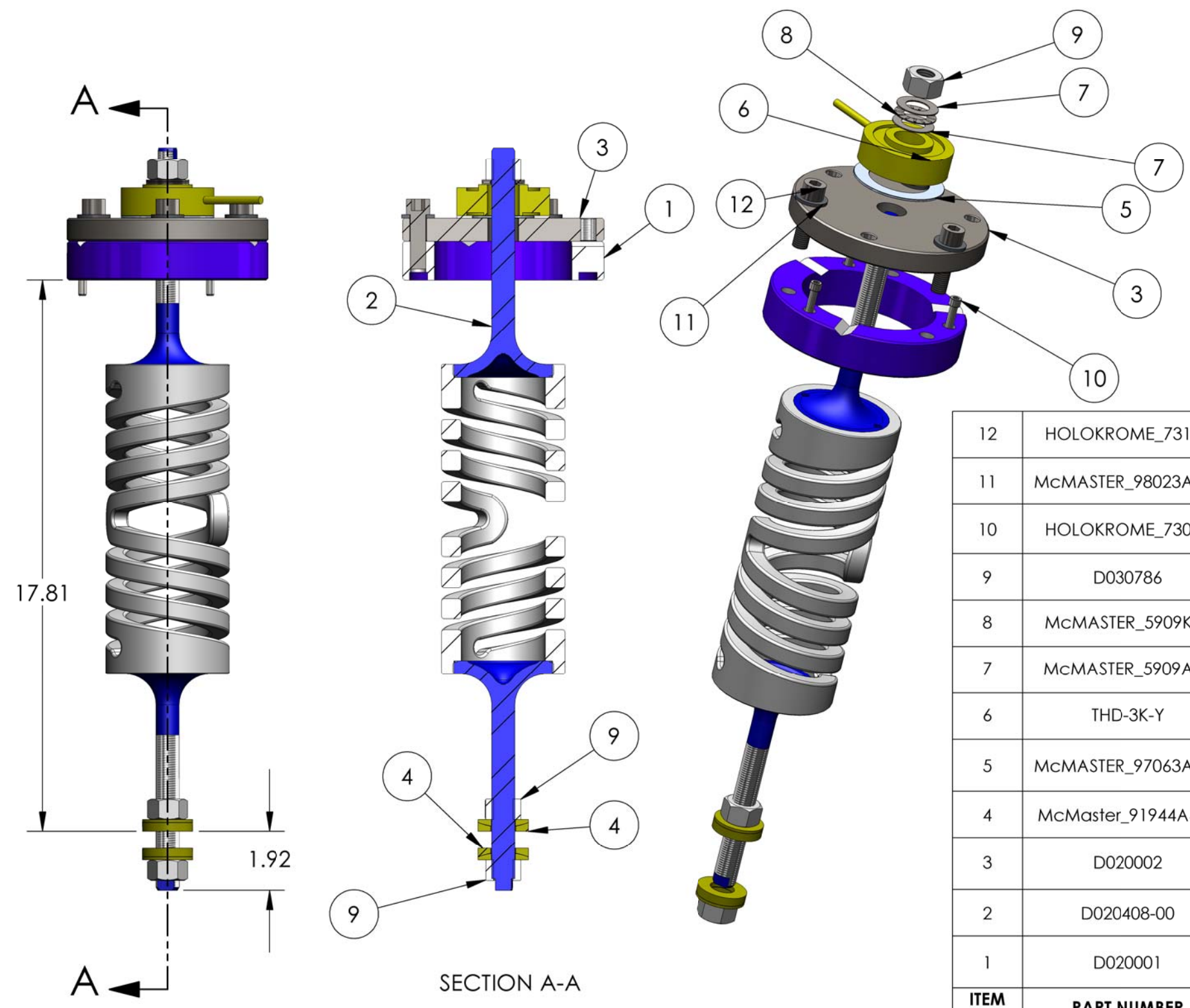


NOTES CONTINUED:

4. VENDOR REFERENCES ARE PROVIDED AS EXAMPLES OF PARTS MEETING ALL REQUIRED SPECIFICATIONS. EQUIVALENTS ARE ALWAYS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
5. REFER TO LIGO E0900357 FOR ASSEMBLY AND LOADING PROCEDURE.

REV.	DATE	DCN #	DRAWING TREE #
v3	11 Feb. 2011	E1100015	E1100016
v4	24 Feb. 2011	E1100058	E1100016



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ
12	HOLOKROME_73136	SCREW, 1/2-20 X 1.75 LG, SHCS	Alloy Steel	3
11	McMASTER_98023A033	FLAT WASHER, 531 ID X 1.063 OD.	AISI 304	3
10	HOLOKROME_73068	SCREW, 1/4-28 X 1.5 LG. SHCS	Plain Carbon Steel	3
9	D030786	HEPI SPRING NUT	AISI 4140 Steel	3
8	McMASTER_5909K15	THRUST NEEDLE ROLLER BEARING	Alloy Steel	1
7	McMASTER_5909A75	THRUST BEARING WASHER	Alloy Steel	2
6	THD-3K-Y	STRAIN GAGE LOAD CELL	Material <not specified>	1
5	McMASTER_97063A134	WASHER, 2" ID X 3"OD X .075 THK	AISI 1020	1
4	McMaster_91944A490	SPHERICAL WASHER SET	18-8 S.S.T.	2
3	D020002	HEPI Offload Spring Cap	AISI 1020 Steel, Cold Rolled	1
2	D020408-00	DOUBLE START COUNTERWOUND SPRING ASM, aLIGO BSC	SEE PRINT BOM	1
1	D020001	SPRING ADJUSTMENT PLATE, PRE-ISOLATOR	GRADE 01 OIL-HARDEN STEEL	1

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

1. INTERPRET DRAWING PER ASME Y14.5-1994.
2. REMOVE ALL SHARP EDGES, .03 x 45°.
3. DO NOT SCALE FROM DRAWING.

DIMENSIONS ARE IN INCHES
 TOLERANCES:
 .XX ± .015
 .XXX ± N/A
 ANGULAR ± N/A*

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

PART NAME
 HEPI SPRING ASSEMBLY, aLIGO BSC

DESIGNER	A.STEIN	10 Sep1. 2008	SIZE	DWG. NO.	REV.
DRAFTER	M.HILLARD	11 Feb. 2011	B	D030320	v4
CHECKER	K.MASON	11 Feb. 2011	SCALE:	1:4	PROJECTION:
APPROVAL	K.MASON	11 Feb. 2011	SHEET	1 OF 1	

SYSTEM ADVANCED LIGO **SUB-SYSTEM** SEI

MATERIAL N/A **FINISH** N/A μinch

NEXT ASSY

D030320 HEPI SPRING ASSEMBLY, aLIGO BSC, PART PDM REV: X-009, DRAWING PDM REV: X-002