

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

1. INTERPRET DRAWING PER ASME Y14.5-1994.
2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL 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.

DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:
.XX ± 0.01
.XXX ± 0.005

ANGULAR ± 0.5°

MATERIAL: -- FINISH: -- μ inch

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SYSTEM: ADVANCED LIGO SUB-SYSTEM: SUS NEXT ASSY:

PART NAME		HAM4-L1 TOP LEVEL CHAMBER ASSEMBLY, FULLY DEFINED	
DESIGNER	ED CHAVEZ	27 JUL 2009	SIZE DWG. NO.
DRAFTER	ED CHAVEZ	27 JUL 2009	D D0900421
CHECKER	C. TORRIE	15 NOV 2011	
APPROVAL	SEE DCC	SCALE: 1:16	PROJECTION:

SHEET 1 OF 3

D0900421 ADV LIGO SYSTEMS: HAM4-L1 TOP LEVEL CHAMBER ASSEMBLY - ALL PART FROM REV. X-046, DRAWING FROM REV. X-037

8

7

6

5

4

3

2

1

H

G

F

E

D

C

B

A

H

G

F

E

D

C

B

A

D1101475 BAFFLE ASSEMBLY
-D1101599 SR2 AR BAFFLE

D1101814 CABLE
HARNESS ASSY

D0900424 HSTS ASSY (SR2)
-D020700 HSTS

D1101474 SR2 SB ASSY
-D1003349 SR2 SCRAPER BAFFLE

D1101475 BAFFLE ASSEMBLY
-D1101599 HARTMANN SCRAPER BAFFLE

D1101974 HARTMANN BD BAFFLE ASSY
- D1102025 HARTMANN BD BAFFLE.

D1101476
BALANCE MASS ASSY

D0900423 HAM-ISI TABLE ASSY
-D0900124 HAM-ISI TABLE

D1101863 HWS OPTICS ASSY

D1101473 OPTLEV DLC ASSY
-D1002074 OPT LEV DLC MOUNT

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SIZE	DWG. NO.	REV.
D	D0900421	v4
SCALE: 1:5	PROJECTION:	SHEET 2 OF 3

8

7

6

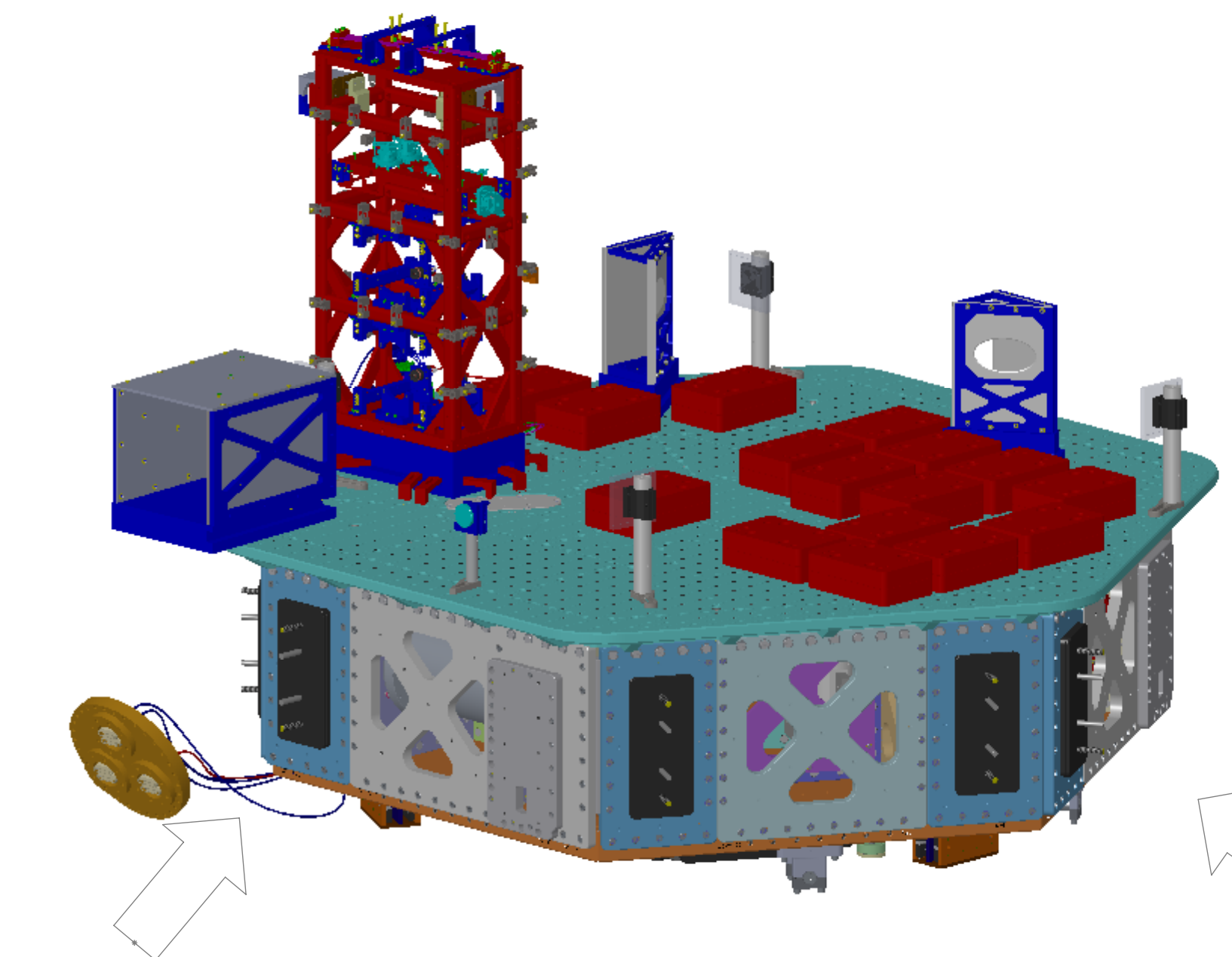
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4

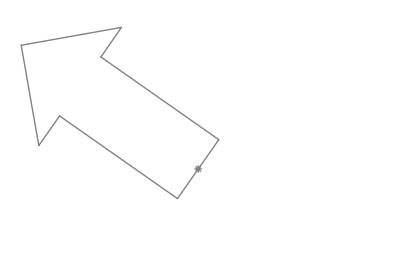
3

2

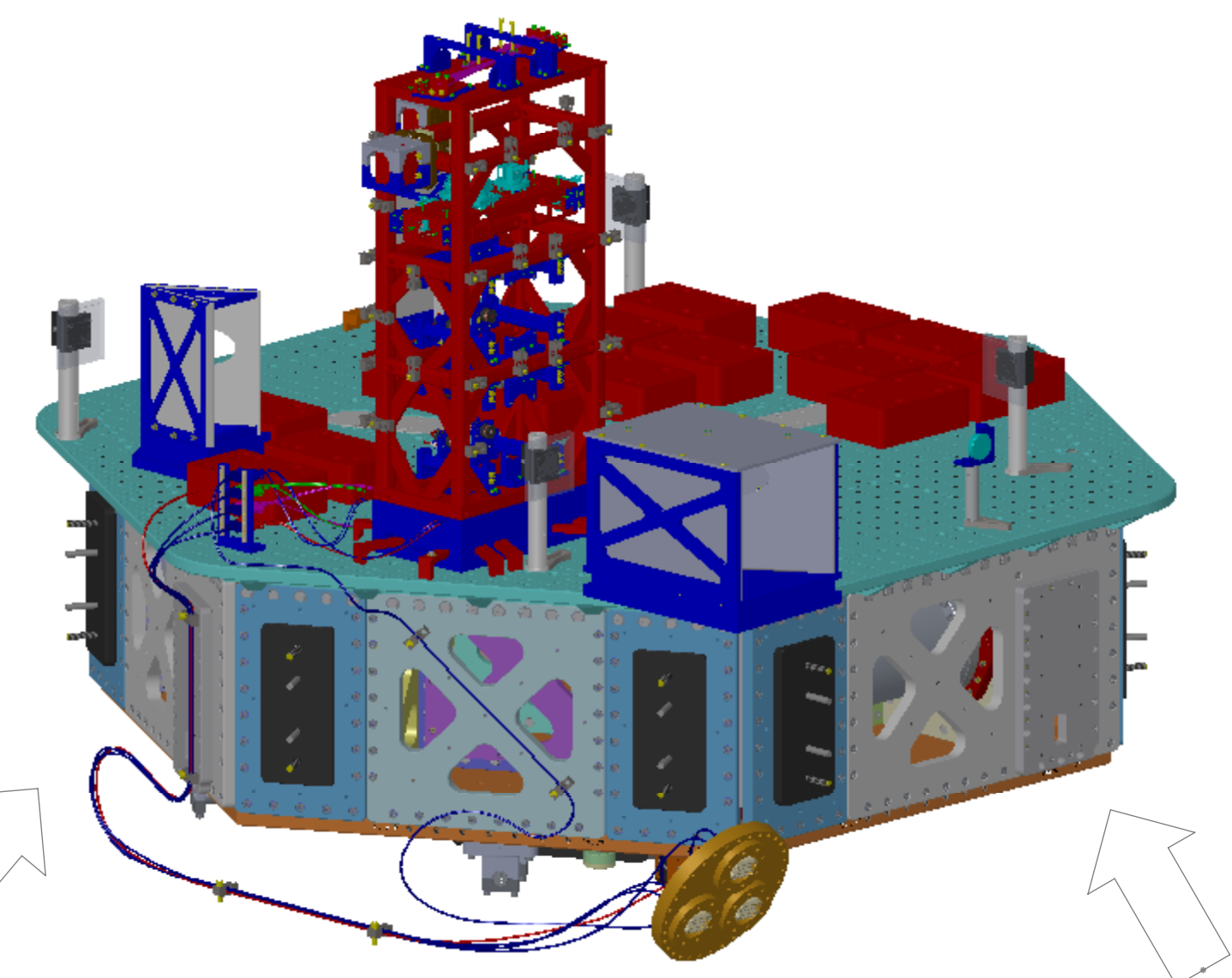
1



FRONT VIEW

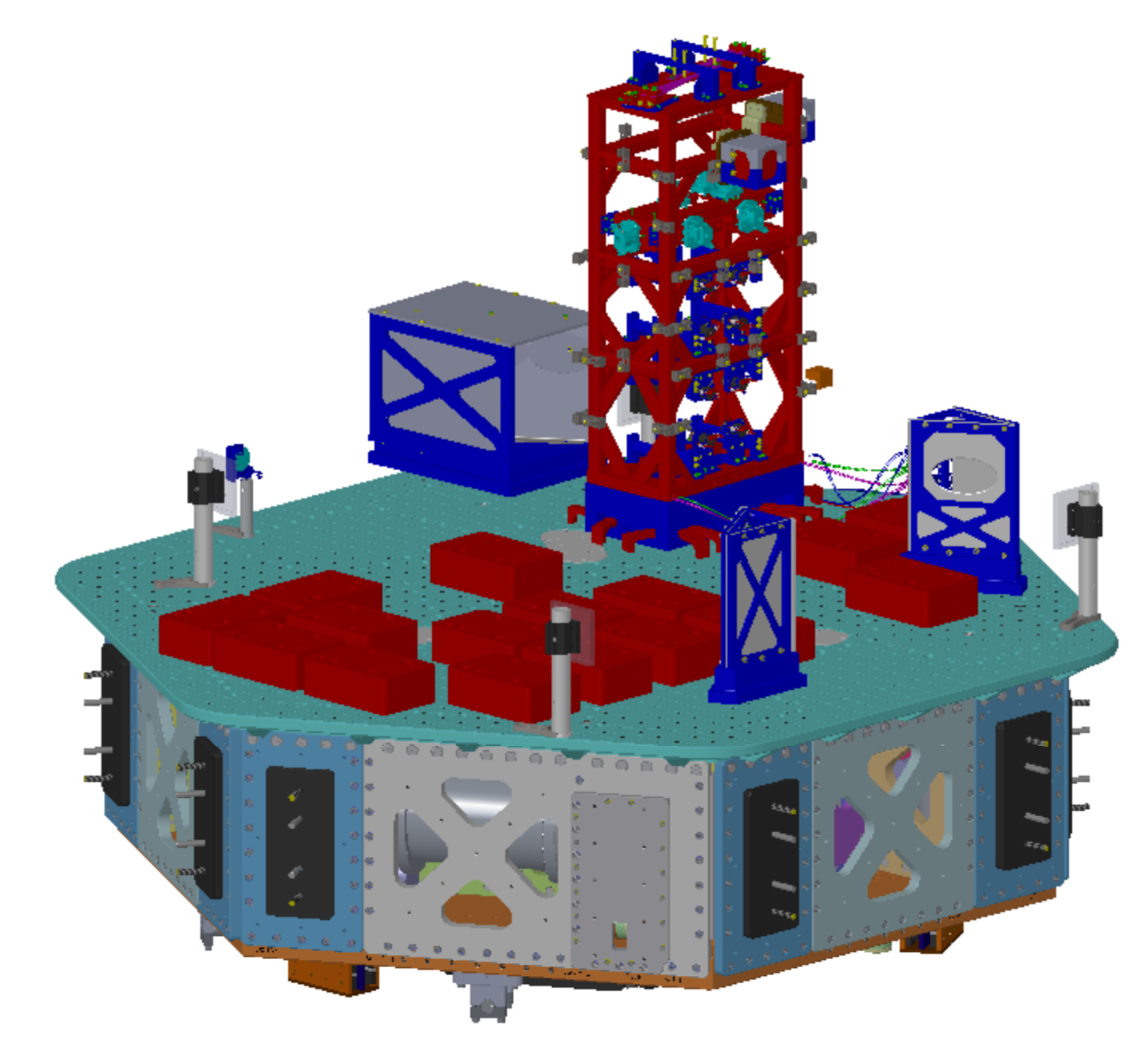


RIGHT SIDE VIEW



LEFT SIDE VIEW

FRONT VIEW



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
11	D1101974	AdvLIGO AOS HAM4-L1, XYZ Local CS for Hartmann Cavity BD Baffle Assy	N/A	1
10	D1101814	CABLE HARNESS ROUTING	N/A	1
9	D1101863	AdvLIGO TCS HAM4-L1, XYZ Local CS for HWS Optics	N/A	1
8	D1101476	AdvLIGO HAM4-L1 ISI Table, Payload & Suspended Mass Assembly	N/A	1
7	D1101475	aLIGO SUS HAM4-L1, XYZ Local CS for SR2 AR Baffle	N/A	1
6	D1101474	aLIGO SUS HAM4-L1, XYZ Local CS for SR2 Scraper Baffle	N/A	1
5	D1101473	aLIGO SUS HAM4-L1, XYZ Local CS for OptLev DLC	N/A	1
4	D1000514	HEPI ASSEMBLY, HAM, aLIGO SEI	SEE BOMS	1
3	D0900424	AdvLIGO SUS HAM4-L1, XYZ Local CS for HSTS (SR2)	--	1
2	D0900423	AdvLIGO SEI HAM4-L1, XYZ Local CS for ISO Table	--	1
1	D0900422	AdvLIGO VE HAM4-L1, Vacuum Equipment Assembly	--	1

PARTS LIST

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SIZE	DWG. NO.	REV.
D	D0900421	v4
SCALE: 1:12	PROJECTION:	SHEET 3 OF 3

DDP00421 ADVLIGO SYSTEMS: HAM4-L1 TOP LEVEL CHAMBER ASSEMBLY: ALL PART PDM REV: X-948: DRAWING PDM REV: X-007