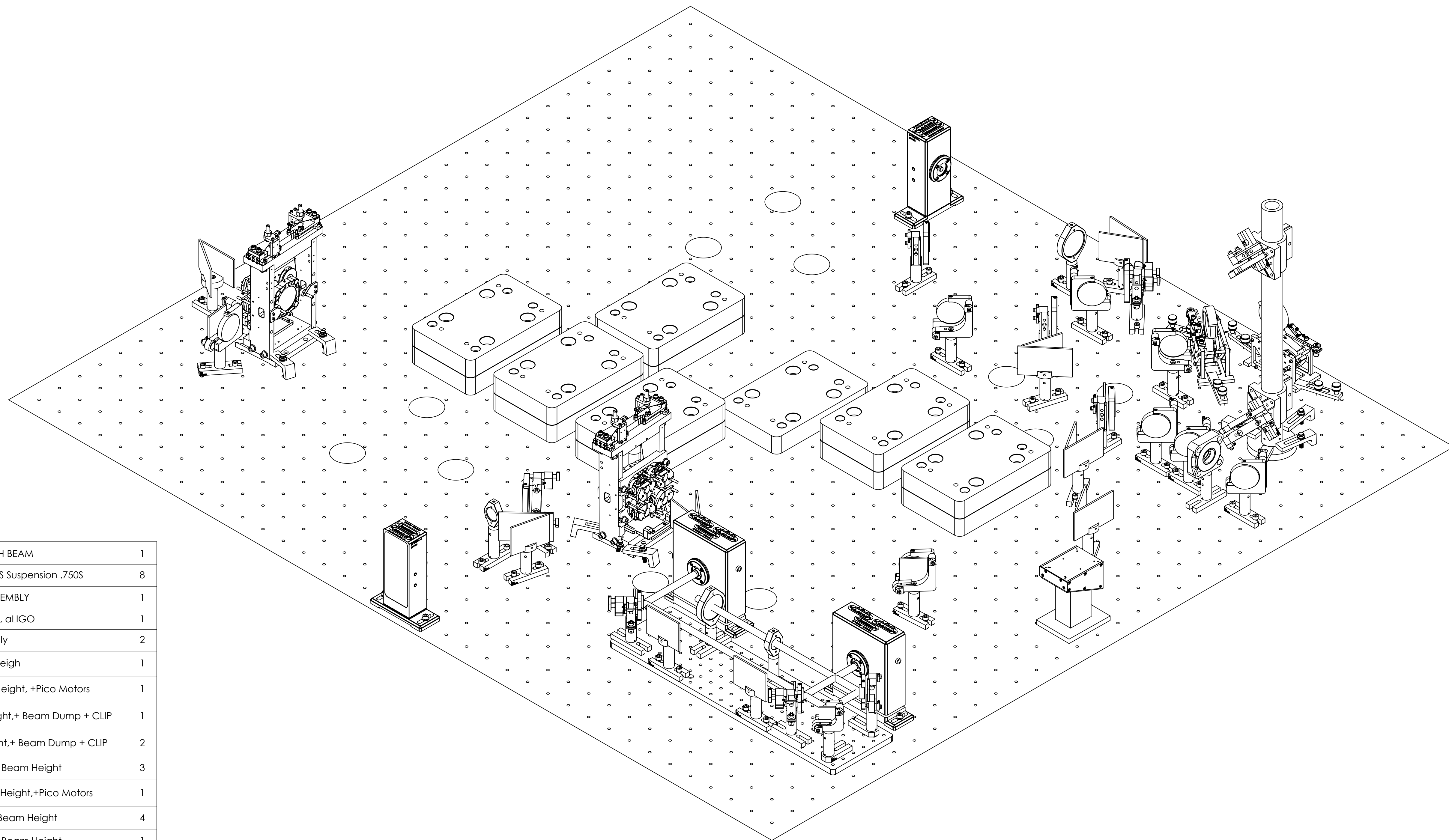


REV.	DATE	DCN #	DRAWING TREE #
v11	03 DEC 2013	-	-
v12	12 MAR 2014	-	-



ISO VIEW
(SEE SHEETS 2, 3, & 4 FOR DESIGN AND SITE SPECIFIC CONFIGS.)

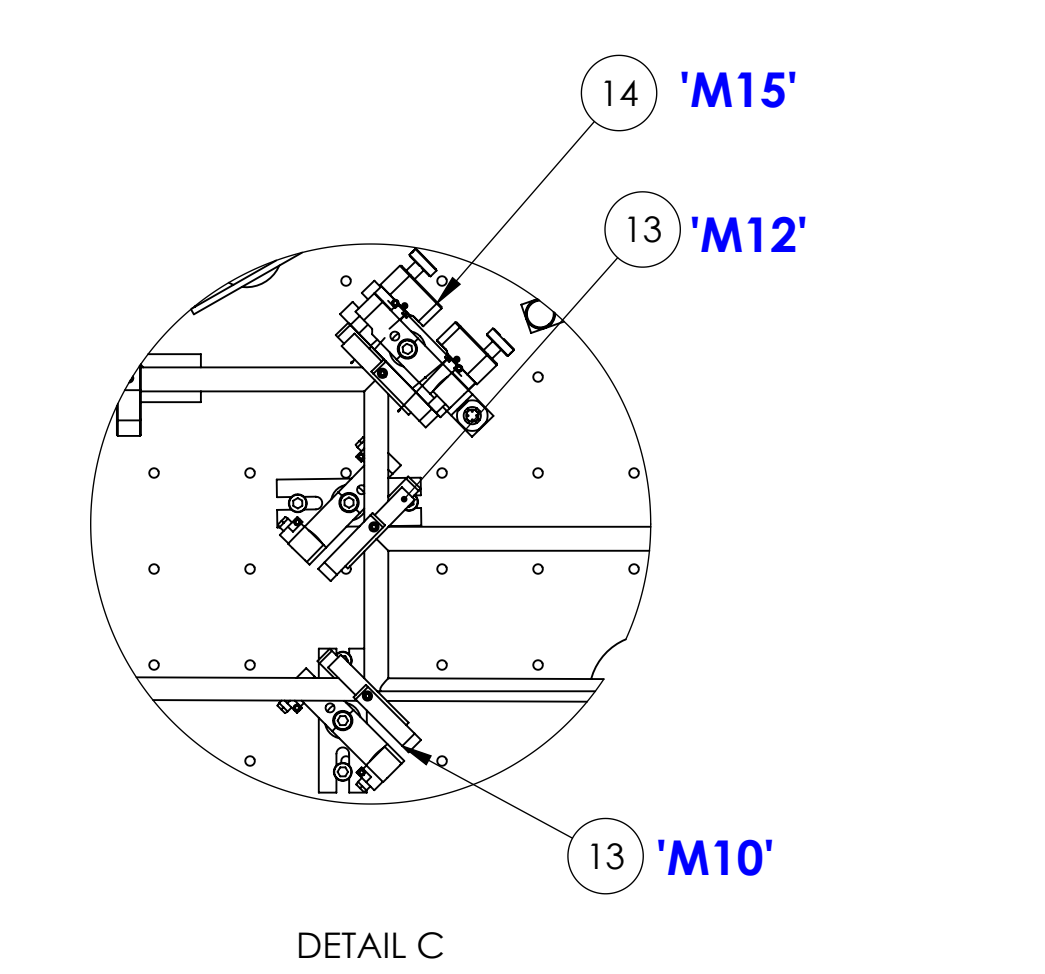
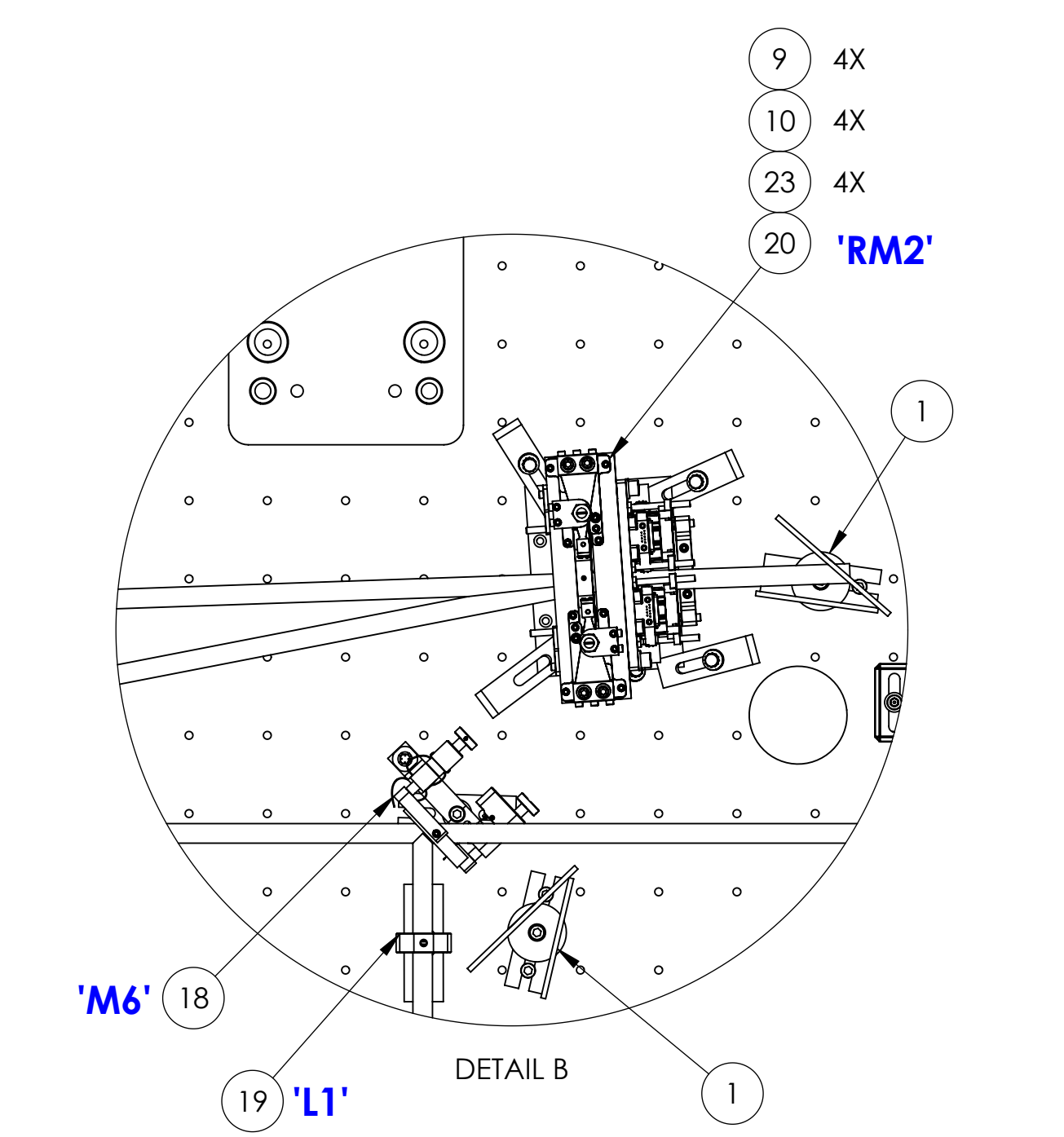
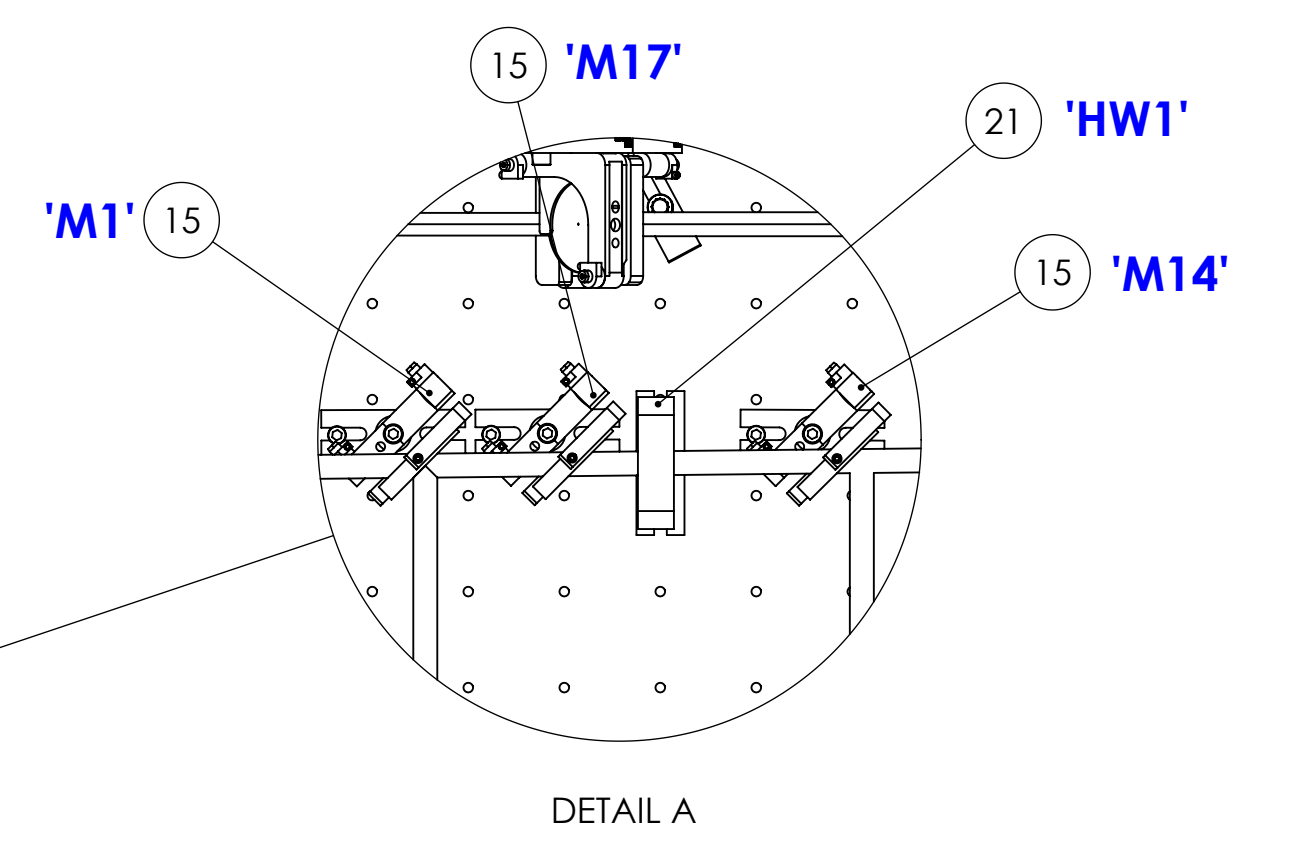
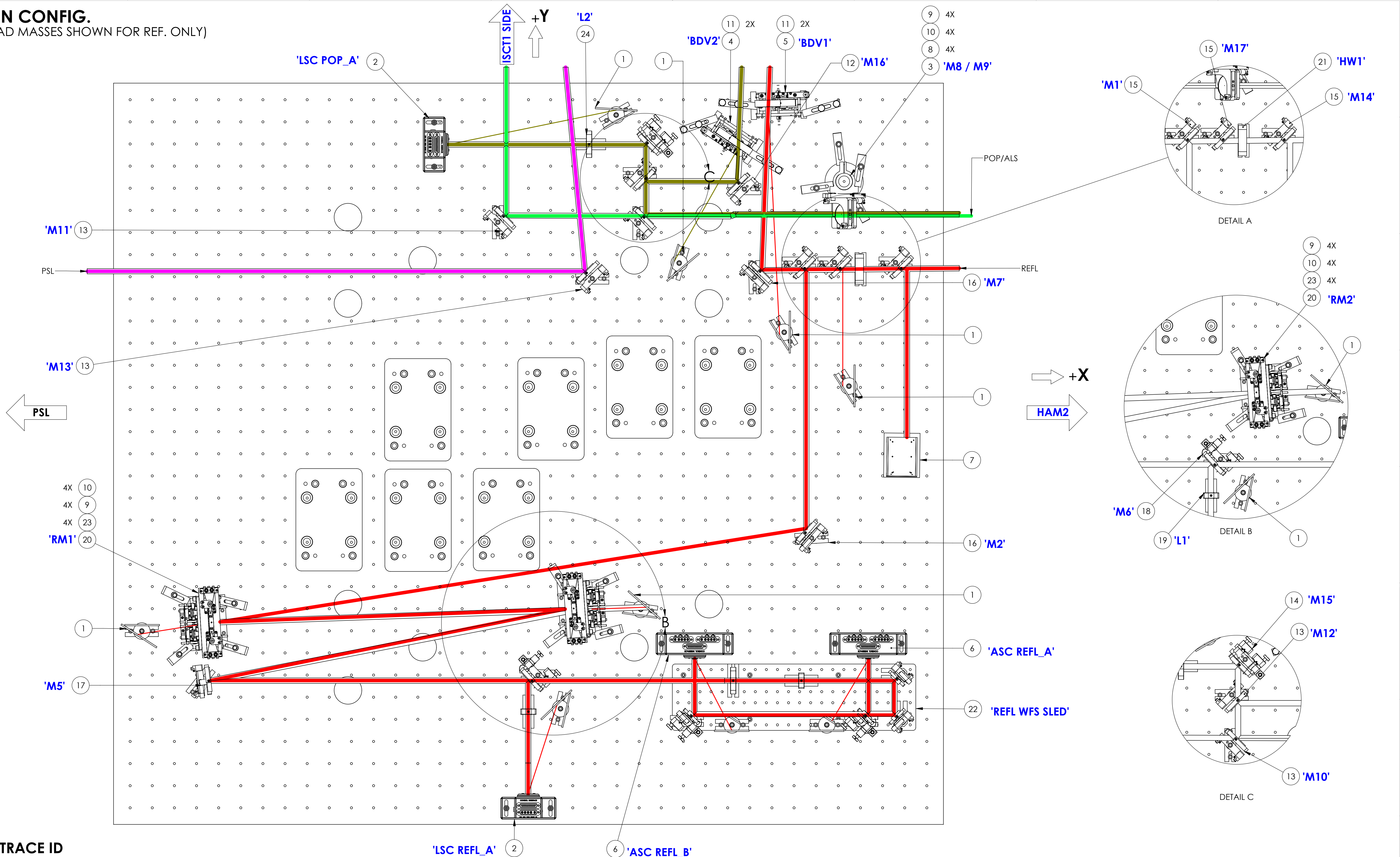
24	D1300214	2" LENS MOUNT ASSY. FOR 4" HIGH BEAM	1
23	D1100640-07	AdvLIGO HAM Optics Table Dog Clamp SOS Suspension .750S	8
22	D1200015	aLIGO HAM1 REFL WFS SLED ASSEMBLY	1
21	D1300595	HALF WAVE PLATE MOUNT, HAM1, aLIGO	1
20	D1001396	aLIGO Tip-Tilt Mirror Assembly	2
19	D1300241	1in Lens Mount for 4in beam heigh	1
18	D1300230	2" Mirror Mount, LEFT HAND Holder, 4" Beam Height, +Pico Motors	1
17	D1300231	2" Mirror Mount, RIGHT HAND Holder, 4" Beam Height,+ Beam Dump + CLIP	1
16	D1300230	2" Mirror Mount, LEFT HAND Holder, 4" Beam Height,+ Beam Dump + CLIP	2
15	D1300231	2" Mirror Mount, RIGHT HAND Holder, 4" Beam Height	3
14	D1300231	2" Mirror Mount, RIGHT HAND Holder, 4" Beam Height,+Pico Motors	1
13	D1300230	2" Mirror Mount, LEFT HAND Holder, 4" Beam Height	4
12	D1300231	2" Mirror Mount, RIGHT HAND Holder, 4" Beam Height	1
11	D1200384	Custom TC-3 Dog Clamp, ISC, aLIGO	4
10	D1100785-530	WASHER, FLAT, .25 X .530 O.D.	12
9	2AL1.25-12SL	1/4-20 X 1.25 12PT BOLT	12
8	D1100640-05	AdvLIGO HAM Optics Table Dog Clamp SOS Suspension .563M	4
7	D1200493	ALIGO IO L1 HAM1 FI DEPOL DUMP ASSEMBLY	1
6	D1102002	ASC VAC ENCLOSURE	2
5	D1100642	ISC Rotary Beam Diverter	1
4	D1100642	ISC Rotary Beam Diverter	1
3	D1200927	Periscope, HAM-1, ISC, aLIGO	1
2	D1101992	LSC VAC ENCLOSURE	2
1	D1000971	TRANSMON BEAM DUMP - SMALL	7
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PARTS LIST			

MATERIAL		FINISH		NEXT ASSY		SCALE		PROJECTION		SHEET 1 OF 4	
N/A		N/A μinch		D0901809, D0901821		1:4				SHEET 1 OF 4	

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY				PART NAME			
				ADVANCED LIGO				HAM1 ISC BLOCK DIAGRAM			
				ISC							
DESIGNER		SBARNUM		JUN 2012		SIZE		DWG. NO.		REV.	
DRAFTER		SBARNUM		2 OCT 2012		D		D1000313		v12	
CHECKER		LBARSOITI									
APPROVAL		PFRITSCHL									

D1000313_HAM1_ISC_BlockDiagram_PDF_PDM_REV_X.057_DRAWING_PDM_REV_X.022

DESIGN CONFIG.
(PAYLOAD MASSES SHOWN FOR REF. ONLY)



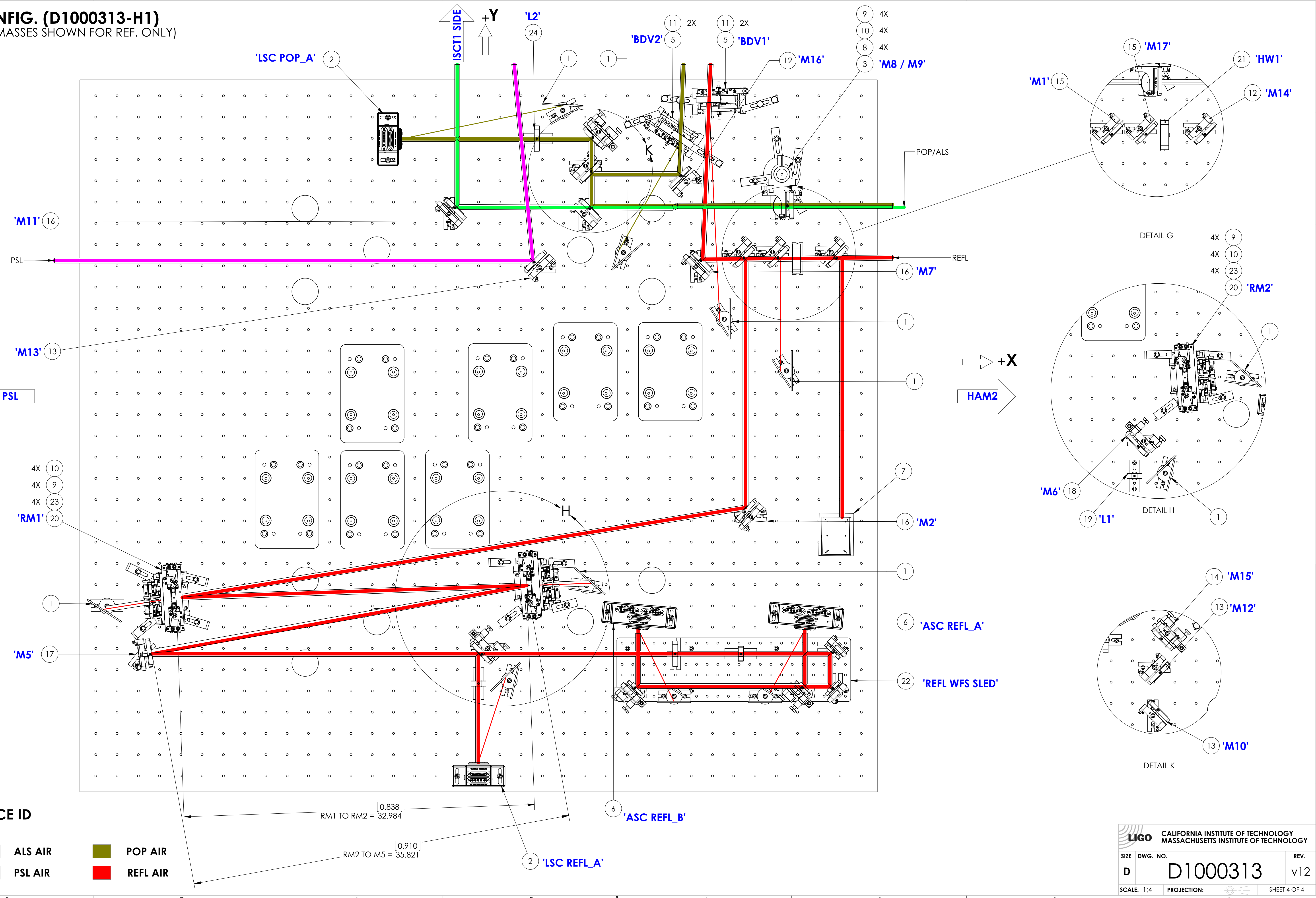
RAY TRACE ID

- █ ALS AIR
- █ PSL AIR
- █ POP AIR
- █ REFL AIR

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE DWG. NO.	REV.
D	D1000313
SCALE: 1:4	PROJECTION: SHEET 2 OF 4

D1000313_HAMI_ESC_BeamDiagram_PART FDM REV. X.057_DRAWING FDM REV. X.022

LHO CONFIG. (D1000313-H1)
 (PAYLOAD MASSES SHOWN FOR REF. ONLY)



RAY TRACE ID

- ALS AIR
- PSL AIR
- POP AIR
- REFL AIR

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE DWG. NO. **D1000313** REV. **v12**

SCALE: 1:4 PROJECTION: SHEET 4 OF 4

D1000313_HAM1_ISC_BasicDiagram_PART FDM REV. X.057_DRAWING FDM REV. X.022