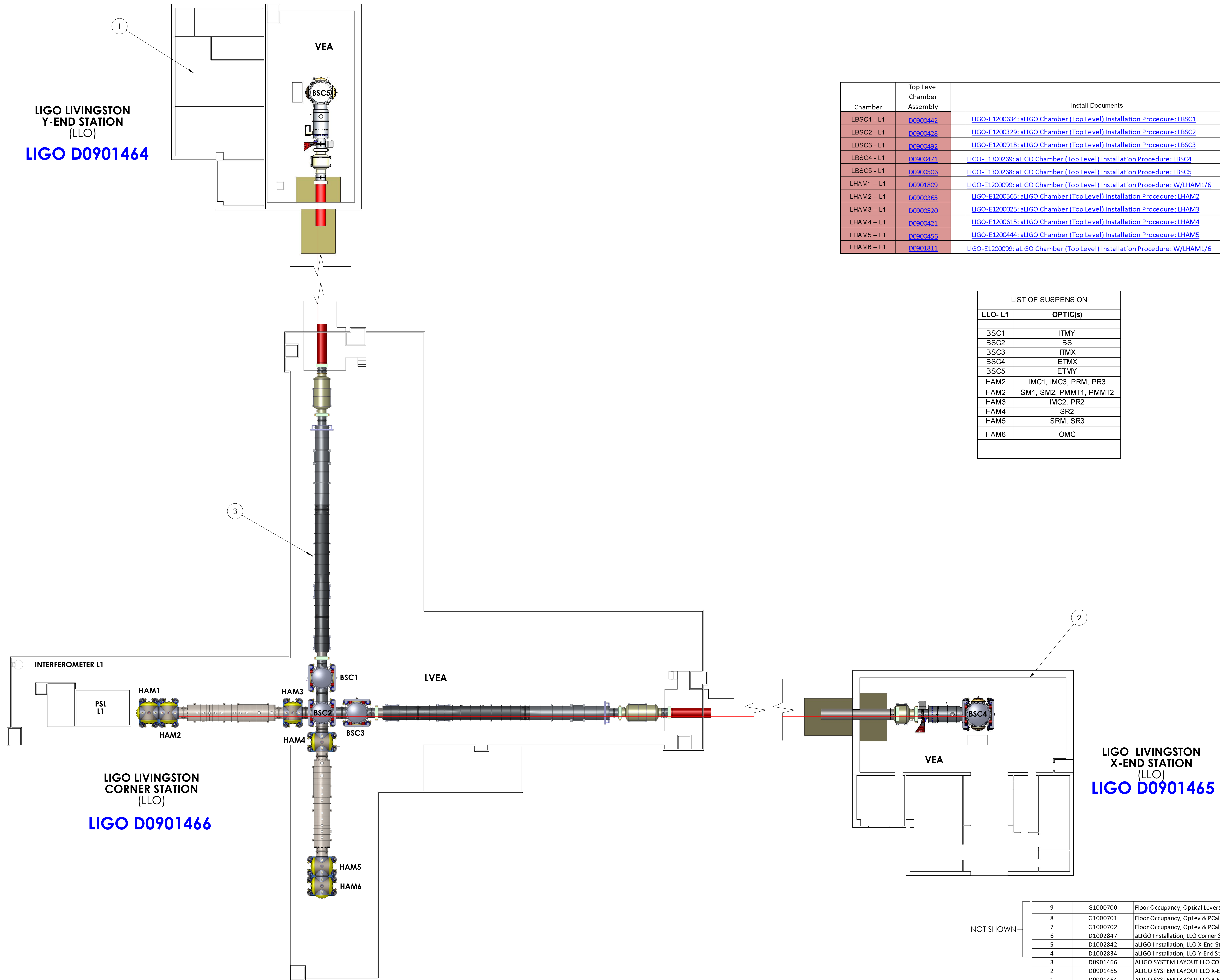


# ADVANCED LIGO LIVINGSTON SYSTEM LAYOUT

REV.	DATE	DCN #	DRAWING TREE #
v4	26 JAN 2014	-	-
v5	09 APR 2014	-	-
-	-	-	-



Chamber	Top Level Chamber Assembly	Install Documents
LBSC1 - L1	D0900442	<a href="#">LIGO-E1200634: aLIGO Chamber (Top Level) Installation Procedure: LBSC1</a>
LBSC2 - L1	D0900428	<a href="#">LIGO-E1200329: aLIGO Chamber (Top Level) Installation Procedure: LBSC2</a>
LBSC3 - L1	D0900492	<a href="#">LIGO-E1200918: aLIGO Chamber (Top Level) Installation Procedure: LBSC3</a>
LBSC4 - L1	D0900471	<a href="#">LIGO-E1300269: aLIGO Chamber (Top Level) Installation Procedure: LBSC4</a>
LBSC5 - L1	D0900506	<a href="#">LIGO-E1300268: aLIGO Chamber (Top Level) Installation Procedure: LBSC5</a>
LHAM1 - L1	D0901809	<a href="#">LIGO-E1200099: aLIGO Chamber (Top Level) Installation Procedure: W/LHAM1/6</a>
LHAM2 - L1	D0900365	<a href="#">LIGO-E1200565: aLIGO Chamber (Top Level) Installation Procedure: LHAM2</a>
LHAM3 - L1	D0900520	<a href="#">LIGO-E1200025: aLIGO Chamber (Top Level) Installation Procedure: LHAM3</a>
LHAM4 - L1	D0900421	<a href="#">LIGO-E1200615: aLIGO Chamber (Top Level) Installation Procedure: LHAM4</a>
LHAM5 - L1	D0900456	<a href="#">LIGO-E1200444: aLIGO Chamber (Top Level) Installation Procedure: LHAM5</a>
LHAM6 - L1	D0901811	<a href="#">LIGO-E1200099: aLIGO Chamber (Top Level) Installation Procedure: W/LHAM1/6</a>

LIST OF SUSPENSION	
LLO- L1	OPTIC(s)
BSC1	ITMY
BSC2	BS
BSC3	ITMX
BSC4	ETMX
BSC5	ETMY
HAM2	IMC1, IMC3, PRM, PR3
HAM2	SM1, SM2, PMMT1, PMMT2
HAM3	IMC2, PR2
HAM4	SR2
HAM5	SRM, SR3
HAM6	OMC

**LIGO LIVINGSTON  
X-END STATION  
(LLO)  
LIGO D0901465**

**LIGO LIVINGSTON  
CORNER STATION  
(LLO)  
LIGO D0901466**

INTERFEROMETER L1

PSL L1

HAM1  
HAM2

HAM3  
HAM4

BSC1  
BSC2  
BSC3

LVEA

VEA

**NOTES:**

- FOR ALIGO TOP LEVEL CHAMBER INSTALLATION PROCEDURES, PLEASE REFER TO LIGO E1200023.
- SPOOLS, GATE VALVES, ELECTRONIC EQUIPMENT RACKS, EXO-VACUUM OPTICAL READOUT TABLES, ETC.. NOT INCLUDED IN BOM
- FOR RACK AND CABLE TRAY LAYOUT, PLEASE REFER TO LIGO D1002704.

NOT SHOWN

ITEM NO.	PART NO.	PART NAME	DESCRIPTION	QTY.
9	G1000700	Floor Occupancy, Optical Levers, LLO Corner Station		1
8	G1000701	Floor Occupancy, OpLev & PCal, LLO X-End Station		1
7	G1000702	Floor Occupancy, OpLev & PCal, LLO Y-End Station		1
6	D1002847	aLIGO Installation, LLO Corner Station, Cartridge & Cleanroom, Layout		1
5	D1002842	aLIGO Installation, LLO X-End Station, Cartridge & Cleanroom, Layout		1
4	D1002834	aLIGO Installation, LLO Y-End Station, Cartridge & Cleanroom, Layout		1
3	D0901466	ALIGO SYSTEM LAYOUT LLO CORNER STATION		1
2	D0901465	ALIGO SYSTEM LAYOUT LLO X-END STATION		1
1	D0901464	ALIGO SYSTEM LAYOUT LLO Y-END STATION		1

MATERIAL		FINISH		NEXT ASSY		SUB-SYSTEM		PART NAME		DESIGNER		DRAFTER		CHECKER		APPROVAL		SCALE: NTS		PROJECTION:		SHEET 1 OF 1	
N/A		N/A		D0901491		ALIGO		ADVANCED LIGO LIVINGSTON SYSTEM LAYOUT		E.SANCHEZ		E.SANCHEZ		SEE DCC		SEE DCC		E		D0901490		v5	