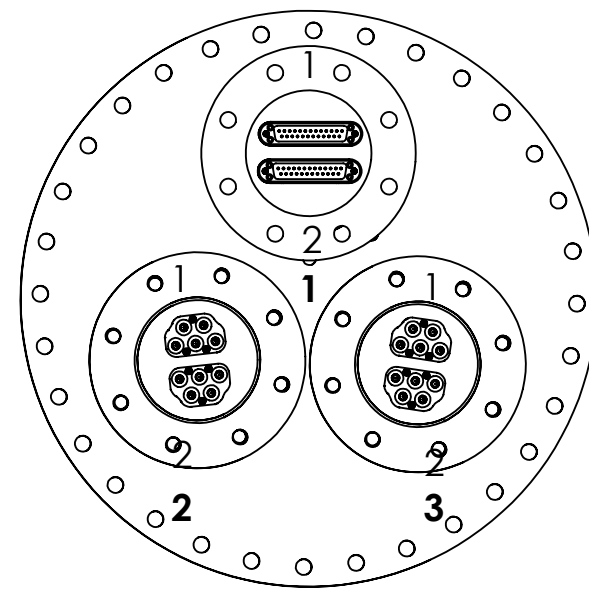
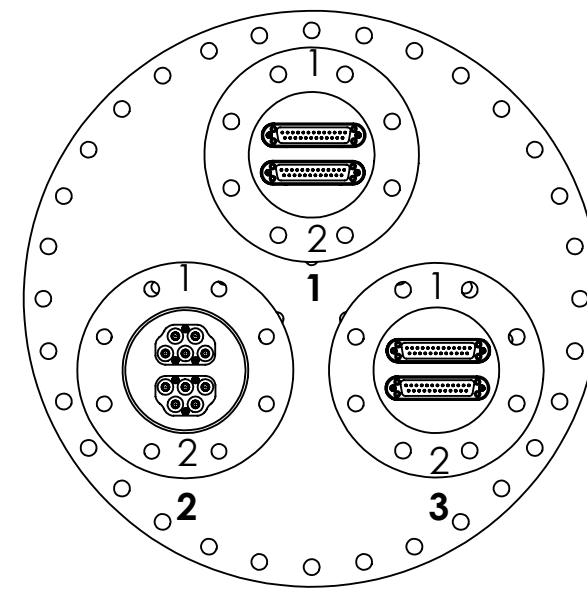


1. FOR A COMPLETE EXPLANATION OF FLANGE DESIGNATORS, FLANGE NAMING CONVENTIONS AND SUBFLANGE TYPE, SEE LIGO D1101775.
 2. FOR ISC ELECTRONICS CABLE LAYOUT, SEE LIGO D1200666.

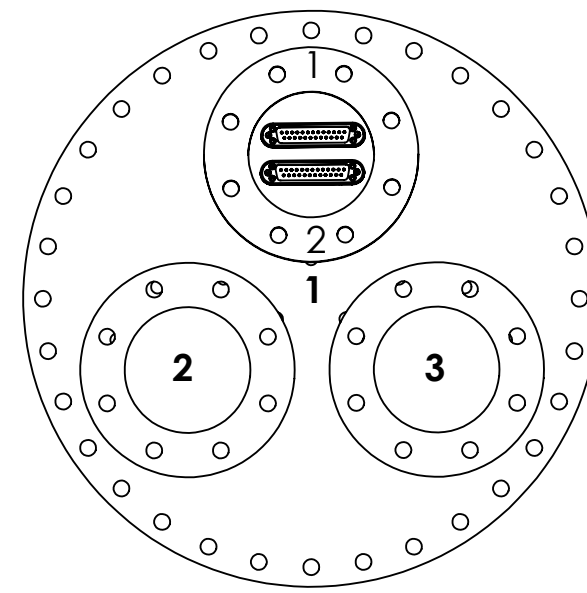
REV.	DATE	DCN #	DRAWING TREE #
v5	18 JUL 2012	E1200707-x0	-
v6	13 NOV 2012	E1201014-x0	-
v7	08 JUN 2023	E2300107-x0	-



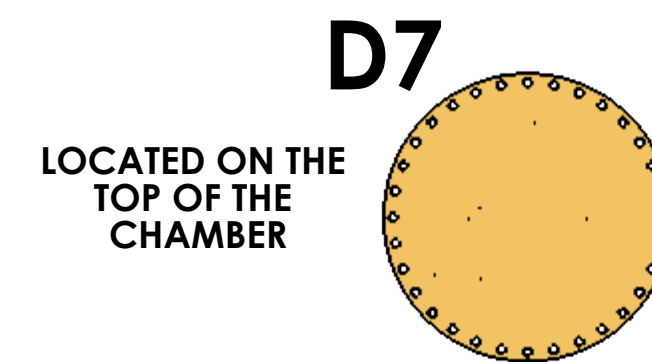
DETAIL A
(D6 CONFIGURATION)



DETAIL B
(D4 & D5 CONFIGURATION)

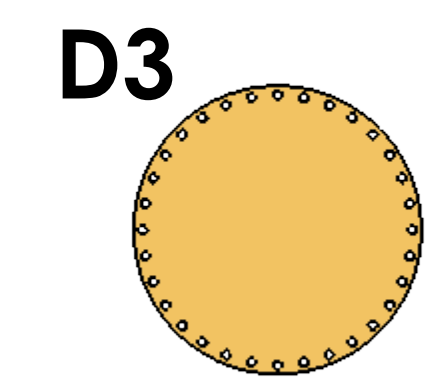
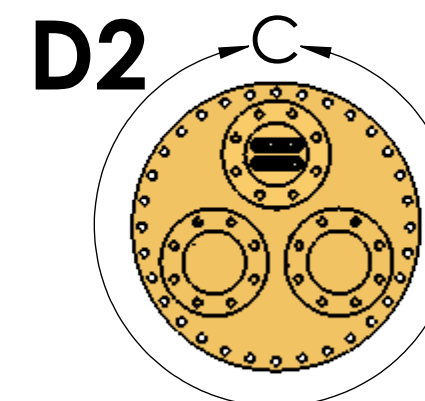
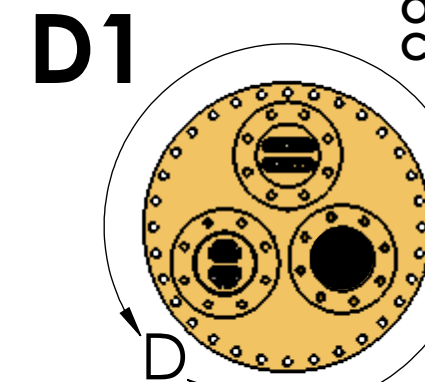
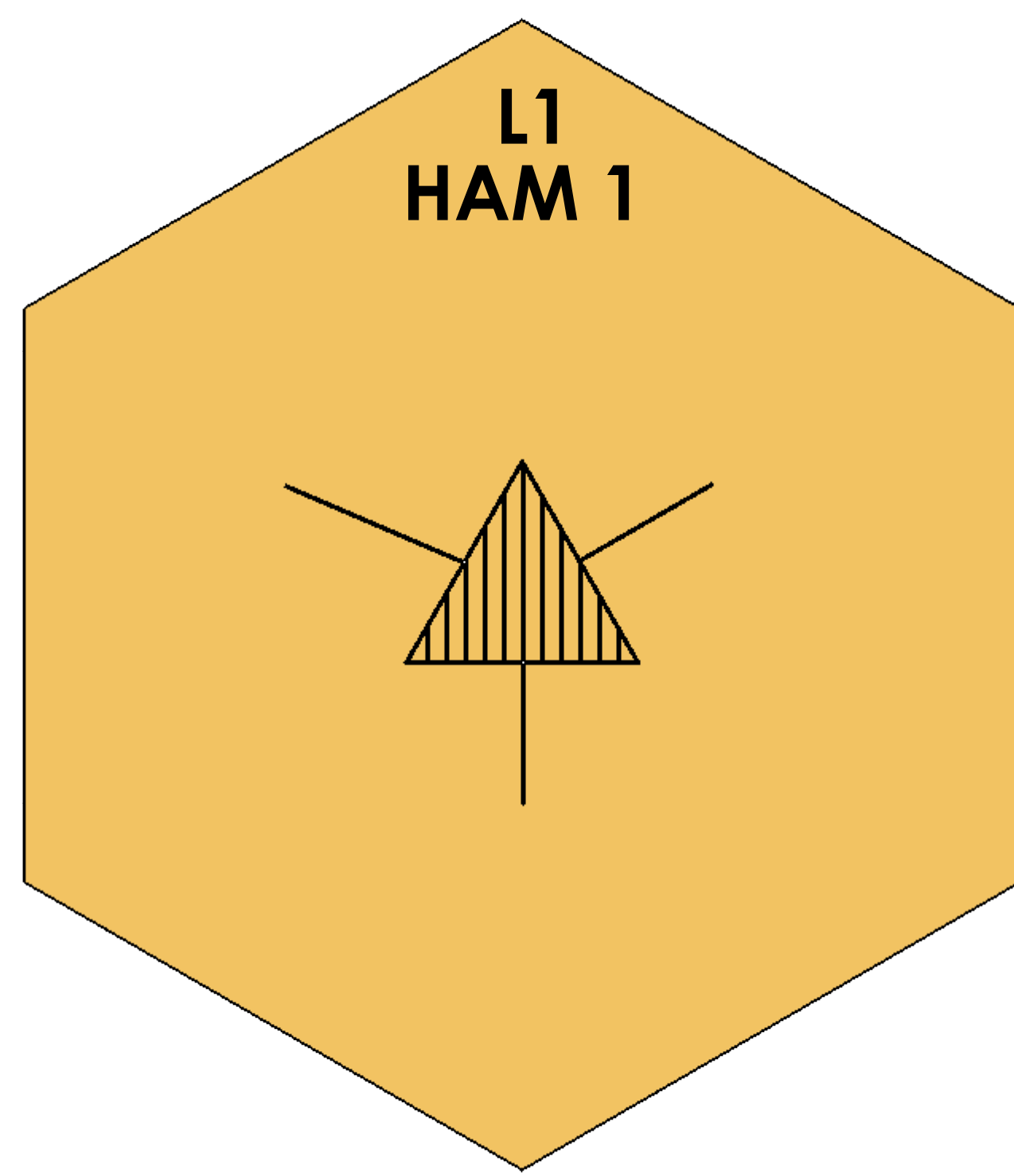
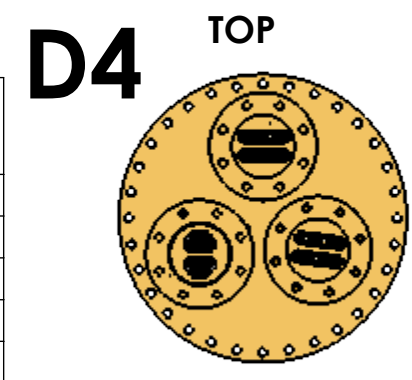
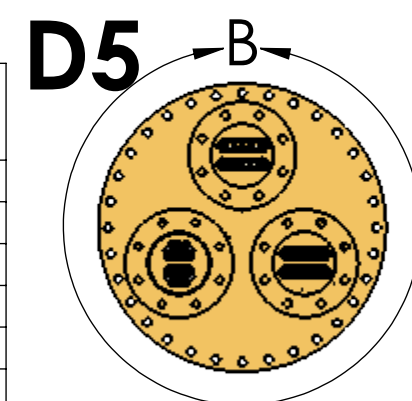
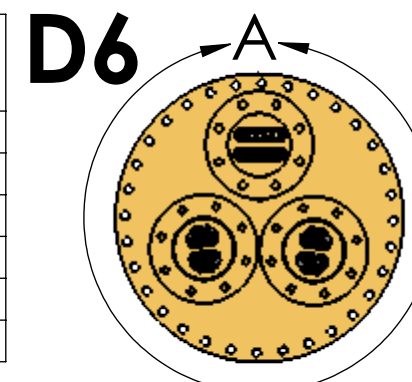


DETAIL C
(D2 CONFIGURATION)



FLANGE	SUBFLANGE	FLANGE TYPE	CONNECTOR	SUBSYSTEM	DESCRIPTION
D7		BLANK			-- BLANK (FULL FLANGE) --

FLANGE	SUBFLANGE	FLANGE TYPE	CONNECTOR	SUBSYSTEM	DESCRIPTION
D6-1C1	-1	C	25D-1	ISC	ISC - ASC_REFL_A WFS (WFS HEADS)
D6-1C2	-1	C	25D-2	ISC	ISC - ASC_REFL_B WFS (WFS HEADS)
D6-2D1	-2	D	5 WAY COAX-1	ISC	ISC - ASC_REFL_A WFS (WFS HEADS)
D6-2D2	-2	D	5 WAY COAX-2	ISC	ISC - ASC_REFL_A WFS (WFS HEADS)
D6-3D1	-3	D	5 WAY COAX-1	ISC	ISC - ASC_REFL_B WFS (WFS HEADS)
D6-3D2	-3	D	5 WAY COAX-2	ISC	ISC - ASC_REFL_B WFS (WFS HEADS)



BELLOWS SIDE OF THE CHAMBER

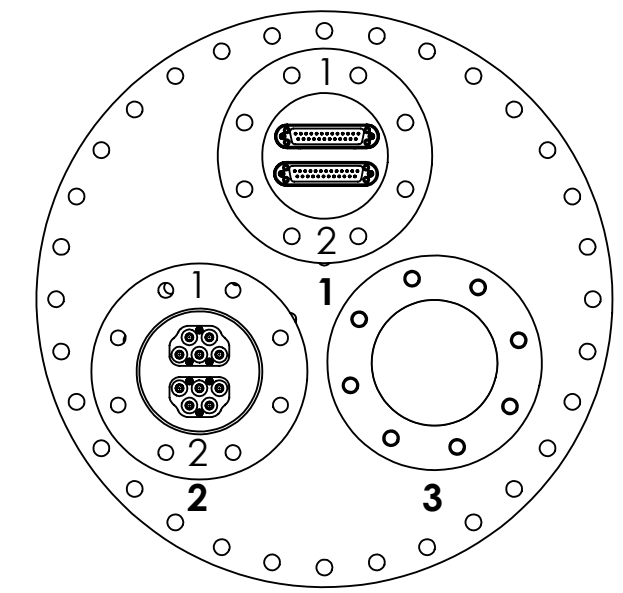
FLANGE	SUBFLANGE	FLANGE TYPE	CONNECTOR	SUBSYSTEM	DESCRIPTION
D1-1C1	-1	C	25D-1	ISC	ISC - SPARE
D1-1C2	-1	C	25D-2	ISC	ISC - SPARE
D1-2D1	-2	D	5 WAY COAX-1	ISC	ISC - SPARE
D1-2D2	-2	D	5 WAY COAX-2	ISC	ISC - SPARE
D1-3	-3	-	-	-	PURGE AIR PORT

FLANGE	SUBFLANGE	FLANGE TYPE	CONNECTOR	SUBSYSTEM	DESCRIPTION
D5-1C1	-1	C	25D-1	ISC	ISC - LSC_REFL RF PD
D5-1C2	-1	C	25D-2	ISC	ISC - LSC_POP RF PD
D5-2D1	-2	D	5 WAY COAX-1	ISC	ISC - LSC_REFL RF PD
D5-2D2	-2	D	5 WAY COAX-2	ISC	ISC - LSC_POP RF PD
D5-3C1	-3	C	25D-1	ISC	ISC - REFL TIP/TILT 1 (SOS TIP/TILT)
D5-3C2	-3	C	25D-2	ISC	ISC - REFL TIP/TILT 2 (SOS TIP/TILT)

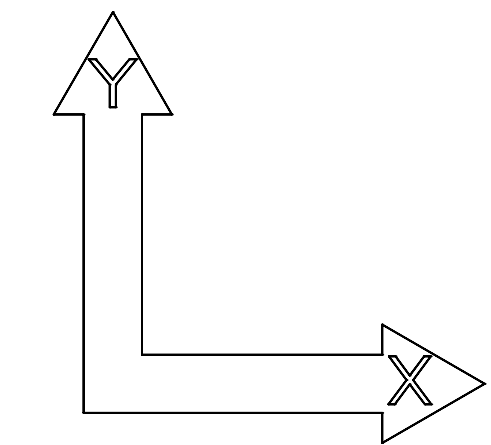
FLANGE	SUBFLANGE	FLANGE TYPE	CONNECTOR	SUBSYSTEM	DESCRIPTION
D2-1C1	-1	C	25D-1	ISC	REFL ISC IN-VAC BEAM BLOCKER
D2-1C2	-1	C	25D-2	ISC	POP ISC IN-VAC BEAM BLOCKER
D2	-2	BLANK	***		-- BLANK (SUBFLANGE) --
D3	-3	BLANK	***		-- BLANK (SUBFLANGE) --

FLANGE	SUBFLANGE	FLANGE TYPE	CONNECTOR	SUBSYSTEM	DESCRIPTION
D4-1C1	-1	C	25D-1	ISC	ISC - PICOMOTORS
D4-1C2	-1	C	25D-2	ISC	ISC - SPARE
D4-2D1	-2	D	5 WAY COAX-1	ISC	ISC - SPARE
D4-2D2	-2	D	5 WAY COAX-2	ISC	ISC - SPARE
D4-3C1	-3	C	25D-1	ISC	ISC - SPARE
D4-3C2	-3	C	25D-2	ISC	ISC - SPARE

FLANGE	SUBFLANGE	FLANGE TYPE	CONNECTOR	SUBSYSTEM	DESCRIPTION
D3		BLANK			-- BLANK (FULL FLANGE) --



DETAIL D
(D1 CONFIGURATION)



* SUBFLANGE TYPE >	A	B	C	D	E	F	G	BLANK
CONNECTORS >	BNC	3PWR	25D	5 WAY COAX (2 PER FLANGE)	5 WAY COAX (1 PER FLANGE)	25PIN FULL FLANGE	TRI-AXIAL	BLANK
SUBSYSTEMS v								
SEI (ISI)								
SUS								
ISC			14	10				
I/O								
TCS								
PSL								
NOT ASSIGNED								3
TOTALS (CONNECTORS)	0	0	14	10	0	0	0	0
TOTALS (FLANGES)	0	0	7	5	0	0	0	3

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)
 1. INTERPRET DRAWING PER ASME Y14.5-1994.
 2. DO NOT SCALE FROM DRAWING.

DIMENSIONS ARE IN
 TOLERANCES:
 .XX ±
 .XXX ±
 ANGULAR ± °

MATERIAL: N/A
 FINISH: N/A μinch

SYSTEM: ADVANCED LIGO
 SUB-SYSTEM: ALL
 NEXT ASSY: D0901809

PART NAME: FLANGE LAYOUT L1 HAM CHAMBER 1 (HAM 1)
 DESIGNER: E.BROWN
 DRAFTER: SEE DCC
 CHECKER: SEE DCC
 APPROVAL: SEE DCC

DATE: 06 DEC 2010
 DWG. NO.: D1002884
 REV.: v7

SCALE: NTS
 PROJECTION: 1st Angle
 SHEET 1 OF 1

D1002884 flange layout Ham chamber L1 HAM 1 PART PDM REV: X-002 DRAWING PDM REV: X-002