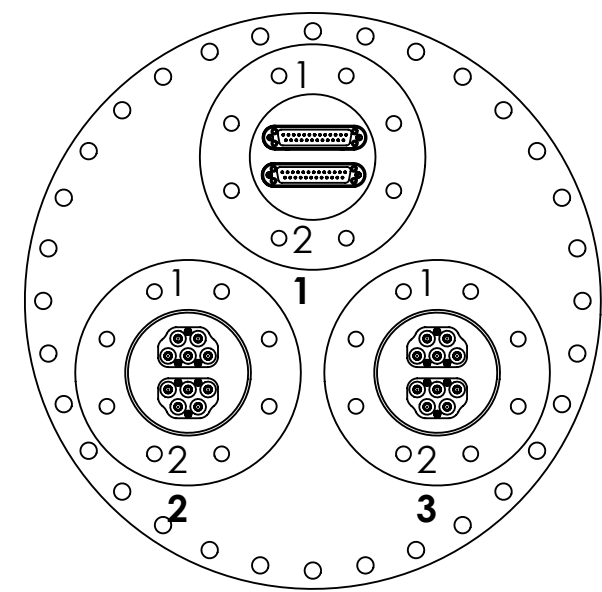


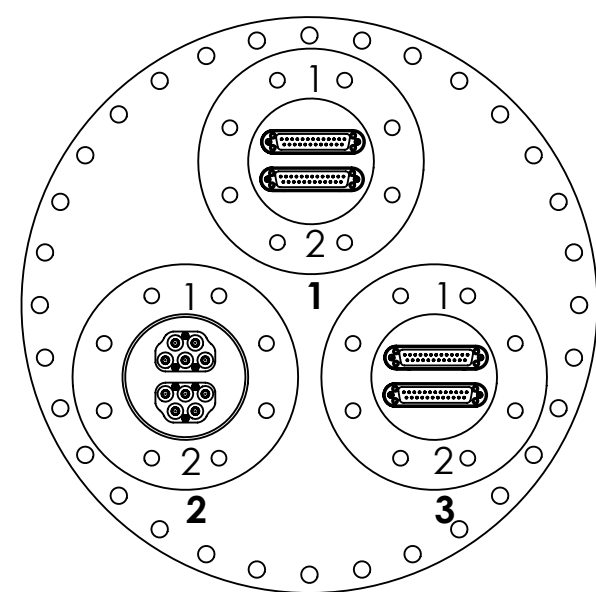
1. FOR A COMPLETE EXPLANATION OF FLANGE DESIGNATORS, FLANGE NAMING CONVENTIONS AND SUBFLANGE TYPE, SEE LIGO D1101775.

2. FOR ISC ELECTRONICS CABLE LAYOUT, SEE LIGO D1200666.

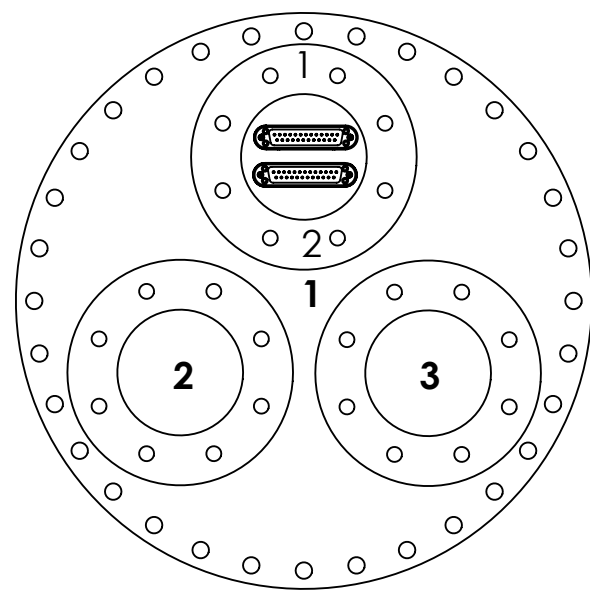
REV.	DATE	DCN #	DRAWING TREE #
v5	18 JUL 2012	E1200707-x0	-
v6	13 NOV 2012	E1201014-x0	-
v7	30 SEP 2013	E1300736-x0	-



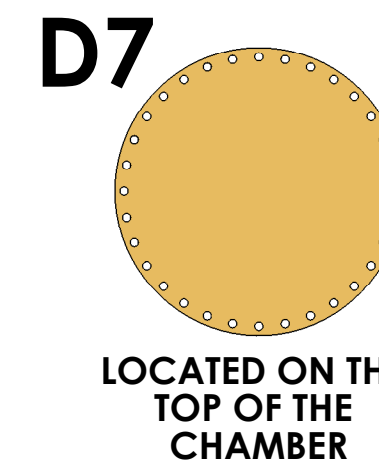
DETAIL A
(D6 CONFIGURATION)



DETAIL B
(D1 & D4 TYP. CONFIGURATION)



DETAIL C
(D2 CONFIGURATION)



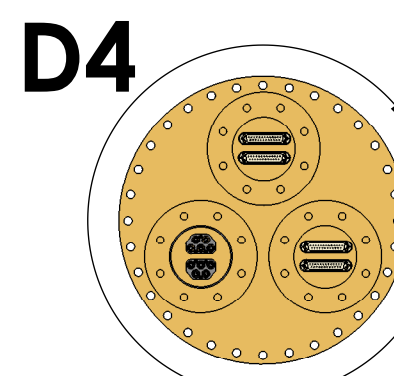
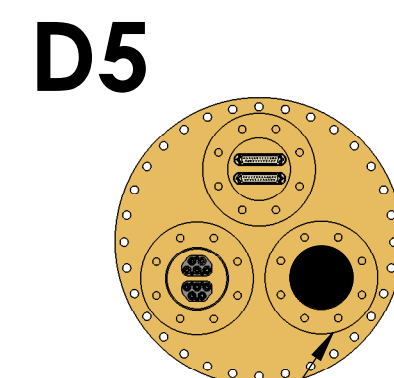
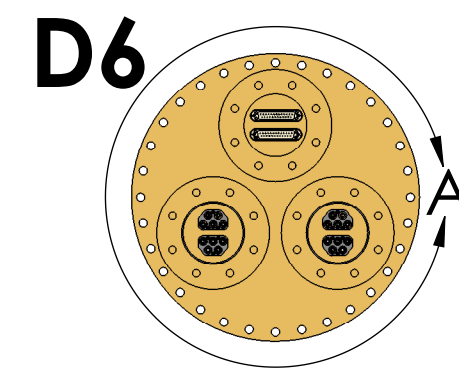
LOCATED ON THE TOP OF THE CHAMBER

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)
D6-2C1	-2	D	5 WAY COAX	ISC	ISC - ASC_REFL_A WFS (WFS HEADS)
D6-2C2	-2	D	5 WAY COAX	ISC	ISC - ASC_REFL_A WFS (WFS HEADS)
D6-3D1	-3	D	5 WAY COAX	ISC	ISC - ASC_REFL_B WFS (WFS HEADS)
D6-3D2	-3	D	5 WAY COAX	ISC	ISC - ASC_REFL_B WFS (WFS HEADS)

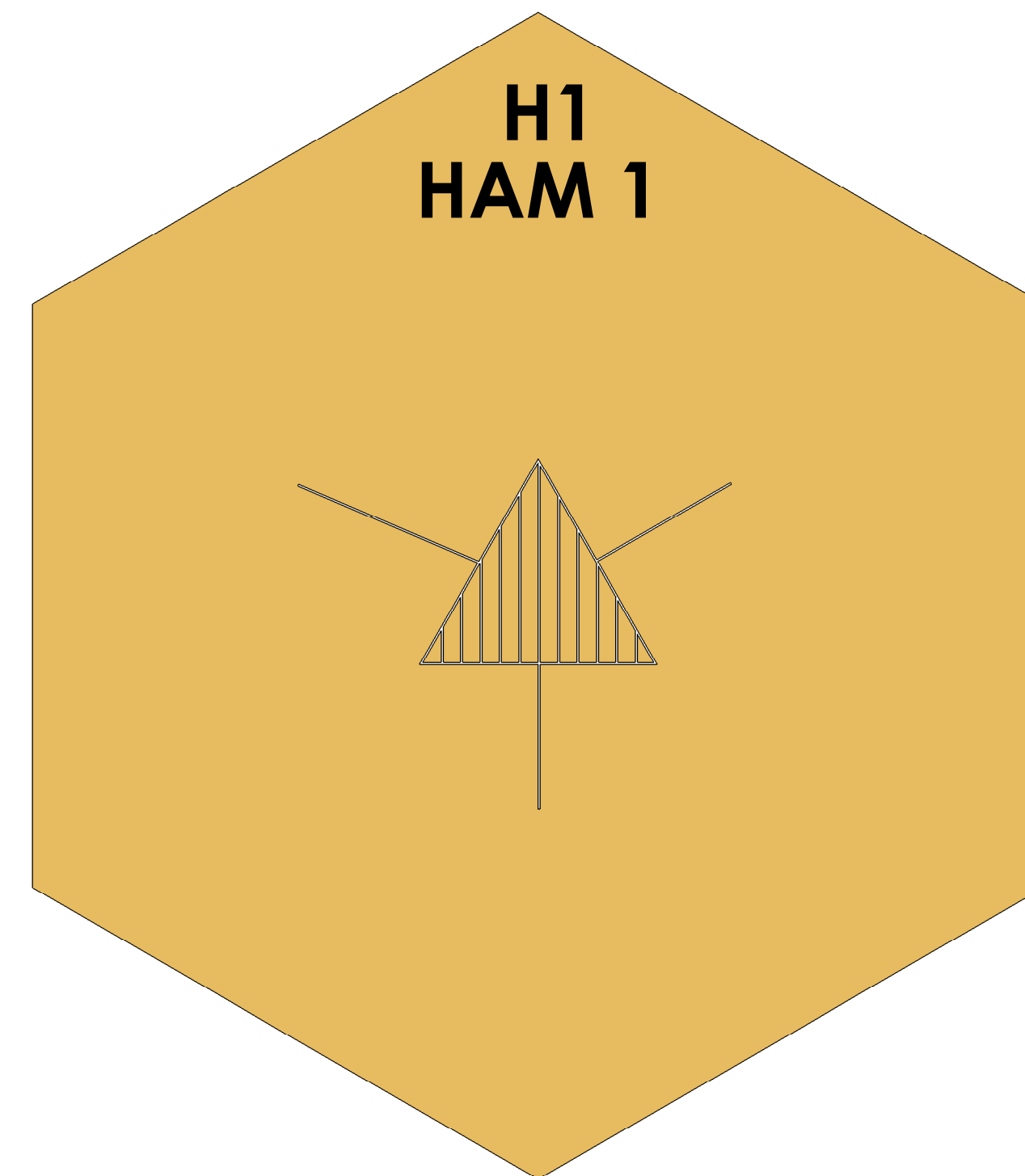
FLANGE	SUBFLANGE	FLANGE TYPE	CONNECTOR	SUBSYSTEM	DESCRIPTION
D5-1C1	-1	C	25D-1	ISC	ISC - LSC_REFL RF PD
D5-1C2	-1	C	25D-2	ISC	ISC - LSC_POP RF PD
D5-2D1	-2	D	5 WAY COAX	ISC	ISC - LSC_REFL RF PD
D5-2D2	-2	D	5 WAY COAX	ISC	ISC - LSC_POP RF PD
D5-3	-3	-	-	-	PURGE AIR PORT

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	ISC	ISC - SPARE
D4-2D2	-2	D	5 WAY COAX	ISC	ISC - SPARE
D4-3C1	-3	C	25D-1	ISC	ISC - REFL TIP/TILT 1 (SOS TIP/TILT)
D4-3C2	-3	C	25D-2	ISC	ISC - REFL TIP/TILT 2 (SOS TIP/TILT)

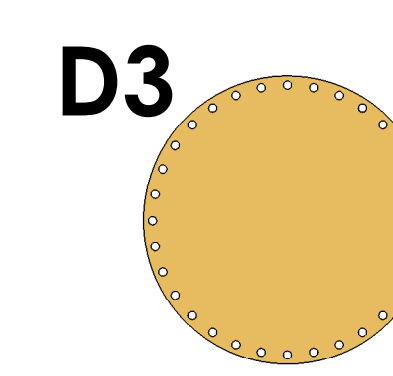
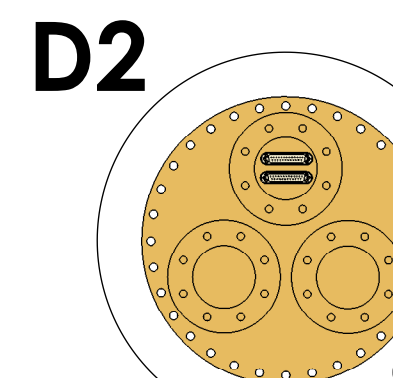
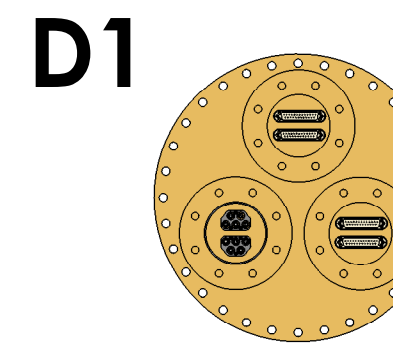


PURGE AIR PORT TOP

AS VIEWED FROM THE AIR SIDE



AS VIEWED FROM ABOVE PLAN VIEW



BELLOWS SIDE OF THE CHAMBER

FLANGE	SUBFLANGE	FLANGE TYPE	CONNECTOR	SUBSYSTEM	DESCRIPTION
D1-1C1	-1	C	25D-1	ISC	REFL ISC IN-VAC BEAM BLOCKER
D1-1C2	-1	C	25D-2	ISC	POP ISC IN-VAC BEAM BLOCKER
D1-2D1	-2	D	5 WAY COAX	ISC	ISC - SPARE
D1-2D2	-2	D	5 WAY COAX	ISC	ISC - SPARE
D1-3C1	-3	C	25D-1	ISC	ISC - SPARE
D1-3C2	-3	C	25D-2	ISC	ISC - SPARE

FLANGE	SUBFLANGE	FLANGE TYPE	CONNECTOR	SUBSYSTEM	DESCRIPTION
D2-1C1	-1	C	25D-1	ISC	ISC - SPARE
D2-1C2	-1	C	25D-2	ISC	ISC - SPARE
D2	-2	BLANK			-- BLANK (SUBFLANGE) --
D3	-3	BLANK			-- BLANK (SUBFLANGE) --

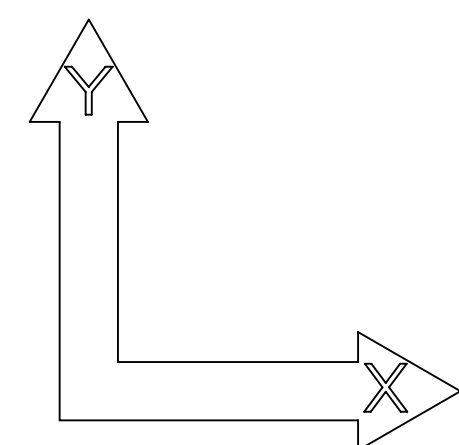
FLANGE	SUBFLANGE	FLANGE TYPE	CONNECTOR	SUBSYSTEM	DESCRIPTION
D3-1		BLANK			-- BLANK (FULL FLANGE) --

* 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	7				
I/O								
TCS								
PSL								
AOS								
NOT ASSIGNED				3				3
TOTALS (CONNECTORS)	0	0	14	10	0	0	0	0
TOTALS (FLANGES)	0	0	7	5	0	0	0	3

FLANGE	SUBFLANGE	FLANGE TYPE	CONNECTOR	SUBSYSTEM	DESCRIPTION
D8		BLANK			-- BLANK (FULL FLANGE) --



LOCATED ON THE TOP OF THE CHAMBER



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

MATERIAL N/A FINISH N/A μinch

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY
 PART NAME: FLANGE LAYOUT H1 HAM CHAMBER 1 (HAM1)
 SYSTEM: ADVANCED LIGO SUB-SYSTEM: ALL
 DESIGNER: E.BROWN 03 DEC 2010
 DRAFTER: SEE DCC
 CHECKER: SEE DCC
 APPROVAL: SEE DCC
 SIZE: D DWG. NO.: D1002872 REV.: v7
 SCALE: NTS PROJECTION: SHEET 1 OF 1

D1002872 flange layout ham chamber H1 HAM1 PART PDM REV X-004 DRAWING PDM REV X-006