

REF	DEVICE #	CHAMBER	NOZZLE	WL/PL(IN)	VP DIA	BX	MOUNT	FUNCTION	VP PART #
A1	D970190-B	LH1	B2F1	635/85.1	7 3/4	10X	FLOOR	MMT3 TX	ISI 4.9722012
A2	D970190-B	LH1	B2F2	635	7 3/4	-	FLOOR	MMT3 RX	ISI 4.9722012
A3		LH2	A1F4	635/256.7	7 3/4	10X	FLOOR	RM TX	ISI 4.9722012
A4		LH2	A2F1	635	7 3/4	-	FLOOR	RM RX	ISI 4.9722012
A5	D000094-A	LB2	G1	635/144.0	7 3/4	10X	SEI	BS TX	ISI 4.9722012
A6	D000094-A	LB2	G3	635	7 3/4	-	SEI	BS RX	ISI 4.9722012
A7	D000119-0	LA1A	P4	635/2236.2	5 3/8	30X	FLOOR	ITM(x) TX	VP800-AR635
A8	D000119-0	LA1A	P1	635	5 3/8	-	FLOOR	ITM(x) RX	VP800-AR635
A9	D000120-0	LA1B	P4	635/2234.2	5 3/8	30X	FLOOR	ITM(y) TX	VP800-AR635
A10	D000120-0	LA1B	P1	635	5 3/8	-	FLOOR	ITM(y) RX	VP800-AR635
A11	D000121-0	LA1	P3	635/479.4	5 3/8	10X	FLOOR	ETM(x) TX	VP800-AR635
A12	D000121-0	LA1	P6	635	5 3/8	-	FLOOR	ETM(x) RX	VP800-AR635
A13	D000122-0	LA1	P3	635/479.4	5 3/8	10X	FLOOR	ETM(y) TX	VP800-AR635
A14	D000122-0	LA1	P6	635	5 3/8	-	FLOOR	ETM(y) RX	VP800-AR635

NO.	DEVICE#	CHAMBER	NOZZLE	COATING	LENS/VD(IN)	FUNCTION	VP-PART#
C1	D000153-A	LH1	A1F3	IR	TBD/65.0	MMT3 & MC INPUT COUPLER	VP800-AR1064
D1	D970212-A	LH1	A1F5	-	-	ILLUMINATOR	VP800/450009
C2	D970211-B	LH2	A1F5	IR	TBD/98.0	MC END MIRROR, MMT2	VP800-AR1064
D2	D970212-A	LH2	A1F3	-	-	ILLUMINATOR	VP800/450009
C3	D000153-A	LH3	A2F5	IR	TBD/84.0	RM (FRONT SURFACE)	VP800-AR1064
D3	D970212-A	LH3	A2F4	-	-	ILLUMINATOR	VP800/450009
C4	DELETED	-	-	-	-	-	-
D4	DELETED	-	-	-	-	-	-
C5	D000153-A	LB2	G8	IR	TBD/48.0	BS FACE (THRU AR)	VP800-AR1064
D5	D970212-A	LB2	G5	-	-	ILLUMINATOR	VP800/450009
C6	D970211-B	LB3	G8	IR	TBD/51.0	ITM(x)	VP800-AR1064
D6	D970212-A	LB3	G11	-	-	ILLUMINATOR	VP800/450009
C7	D970211-B	LB1	G2	IR	TBD/42.0	ITM(y)	VP800-AR1064
D7	D970212-A	LB1	G5	-	-	ILLUMINATOR	VP800/450009
C8	D970211-B	LB4	G5	IR	TBD/40.0	ETM(x)	VP800-AR1064
D8	D970212-A	LB4	G8	-	-	ILLUMINATOR	VP800/450009

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES: FRACTIONAL ±1/16(.16) ANGULAR ± 1° TWO PLACE DECIMAL ±.01(.025) THREE PLACE DECIMAL ±.005(.013)		FINISHED SURFACE RMS 63 BREAK CORNERS IN: .02 REMOVE ALL BURRS		C UPDATED TO AS BUILT		MASON 5/00		CALIFORNIA INSTITUTE OF TECHNOLOGY MASON 3/99		ASC EQUIPMENT LAYOUT	
MATERIAL: / HEAT TREAT: / FINISH:		01 -		00 PRE-RELEASE		MASON 3/99		K.MASON 2/99		LOUISIANA SITE		CAD FILE: D980499-C-S1.dwg	
DWG. NO. / DESCRIPTION		USED ON: -		NEXT ASSY: -		REV / DESCRIPTION		DCC SYS DET CDS VE CC BT CHECK DRWN DATE		SCALE: -		SIZE DWG. NO. B D980499-C-D SHEET 1 OF 5	

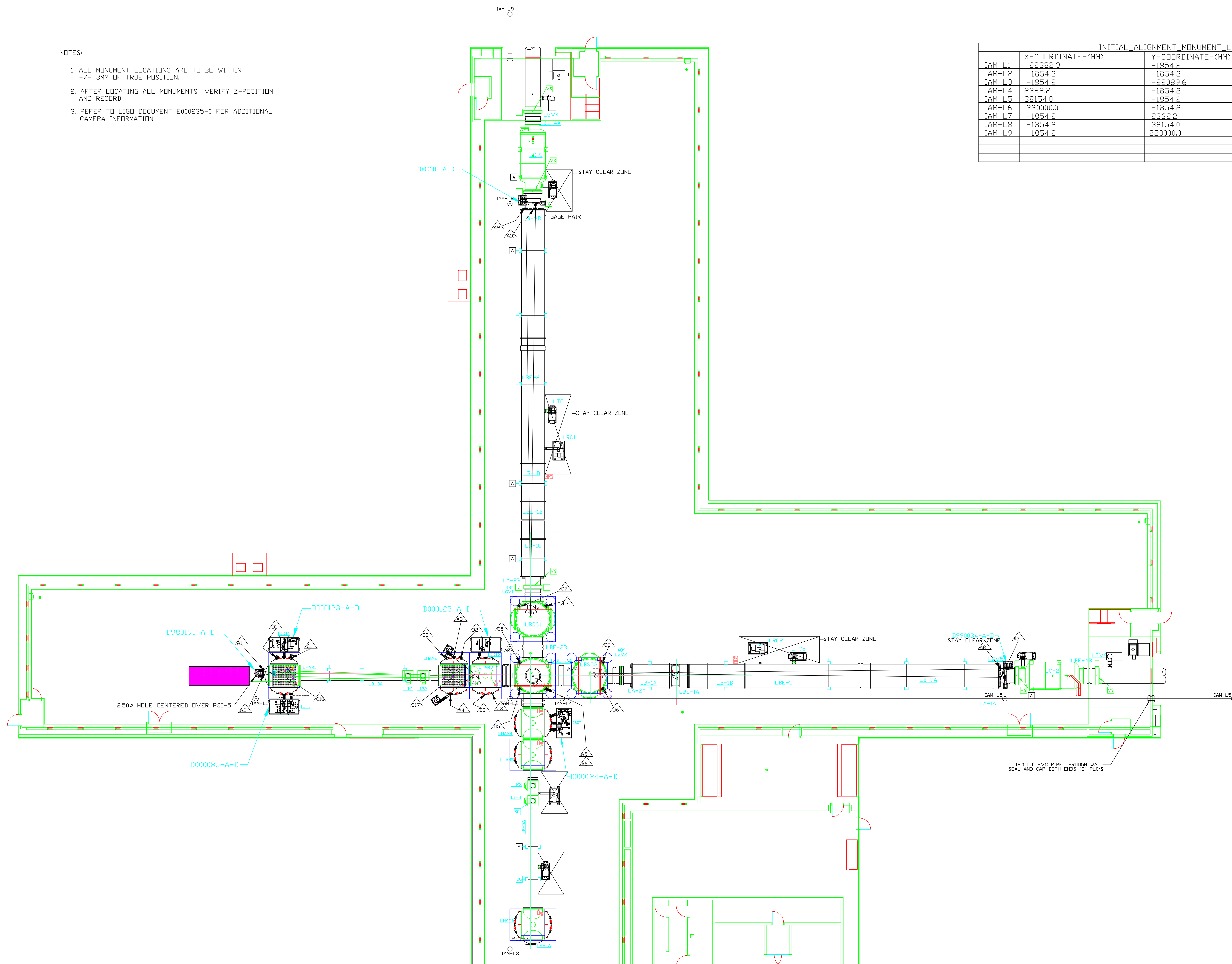
NO.	DEVICE#	CHAMBER	NOZZLE	COATING	LENS/VD(IN)	FUNCTION	VP-PART#
C9	D970211-B	LB5	G3	IR	TBD/64.0	ETM(y)	VP800-AR1064
D9	D970212-A	LB5	G12	-	-	ILLUMINATOR	VP800/450009
C10	D970211-B	LA7B1	TBD	IR	TBD	BEAM FIND (TEMP ON 10" TG)	VP800-AR1064
C11	D970211-B	LA-7B2	TBD	IR	TBD	BEAM FIND (TEMP ON 10" TG)	VP800-AR1064
C12	D970211-B	LBE-5	TBD	IR	TBD	BEAM FIND (TEMP. ON 10" TG)	VP800-AR1064
C13	D970211-B	LBE-6	TBD	IR	TBD	BEAM FIND (TEMP. ON 10" TG)	VP800-AR1064
C14	D970211-B	LA-7B1	TBD	IR	TBD	BEAM FIND (TEMP. ON 10" TG)	VP800-AR1064
C15	D970211-B	LA-7B2	TBD	IR	TBD	BEAM FIND (TEMP. ON 10" TG)	VP800-AR1064
C16	D970211-B	LH-1	C1	IR	SEE E000235	TBD	VP800-AR1064
C17	D970211-B	LH-2	C1	IR	SEE E000235	TBD	VP800-AR1064
C18	D970211-B	LA-7A1	P5	IR	SEE E000235	ETMx	VP800-AR1064
C19	D970211-B	LA-7A2	P5	IR	SEE E000235	ETMy	VP800-AR1064
E1	D990414-C	LB4	C2G5	IR	-	TRANS. MONITOR D980341-B	VP800-AR1064
E2	D990414-C	LB5	C2G3	IR	-	TRANS. MONITOR D980341-B	VP800-AR1064
PC1	D000182-0	LA-7A1	P2	IR	-	PHOTON CALIBRATOR X-END	VP800-AR1064
PC2	D000182-0	LA-7A1	P2	IR	-	PHOTON CALIBRATOR Y-END	VP800-AR1064

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</p> <p>TOLERANCES: FRACTIONAL ±1/16(.16) FINISHED SURFACE RMS 63 ANGULAR ± 1° BREAK CORNERS IN: OUT: .02 TWO PLACE DECIMAL ±.01(.025) REMOVE ALL BURRS THREE PLACE DECIMAL ±.005(.013)</p>		<p>REVISIONS:</p> <table border="1"> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DCC</th> <th>SYS</th> <th>DET</th> <th>CDS</th> <th>VE</th> <th>CC</th> <th>BT</th> <th>CHECK</th> <th>DRWN</th> <th>DATE</th> </tr> <tr> <td>C</td> <td>UPDATED TO AS BUILT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>MASON</td> <td>5/00</td> </tr> <tr> <td>02</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>MASON</td> <td>3/99</td> </tr> <tr> <td>01</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>MASON</td> <td>3/99</td> </tr> <tr> <td>00</td> <td>PRE-RELEASE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>K.MASON</td> <td>2/99</td> </tr> </table>		REV	DESCRIPTION	DCC	SYS	DET	CDS	VE	CC	BT	CHECK	DRWN	DATE	C	UPDATED TO AS BUILT									MASON	5/00	02	-									MASON	3/99	01	-									MASON	3/99	00	PRE-RELEASE									K.MASON	2/99	<p>LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY</p> <p>ASC EQUIPMENT LAYOUT - LOUISIANA SITE -</p> <p>CAD FILE: D980499-C-S2.dwg SIZE: B DWG. NO: D980499-C-D SCALE: - SHEET: 2 OF 5</p>	
REV	DESCRIPTION	DCC	SYS	DET	CDS	VE	CC	BT	CHECK	DRWN	DATE																																																						
C	UPDATED TO AS BUILT									MASON	5/00																																																						
02	-									MASON	3/99																																																						
01	-									MASON	3/99																																																						
00	PRE-RELEASE									K.MASON	2/99																																																						
DWG. NO.	DESCRIPTION	MATERIAL:	HEAT TREAT:	FINISH:	ISSUE DESCRIPTION							SCALE	SHEET																																																				
6	REFERENCE DRAWINGS	USED ON: -	NEXT ASS'Y: -	4								2	1																																																				

NOTES:

1. ALL MONUMENT LOCATIONS ARE TO BE WITHIN +/- 3MM OF TRUE POSITION.
2. AFTER LOCATING ALL MONUMENTS, VERIFY Z-POSITION AND RECORD.
3. REFER TO LIGO DOCUMENT E000235-0 FOR ADDITIONAL CAMERA INFORMATION.

INITIAL_ALIGNMENT_MONUMENT_LOCATIONS_LIGO_GLOBAL			
	X-COORDINATE-(MM)	Y-COORDINATE-(MM)	Z-COORDINATE-(MM)
IAM-L1	-22382.3	-1854.2	-
IAM-L2	-1854.2	-1854.2	-
IAM-L3	-1854.2	-22089.6	-
IAM-L4	2362.2	-1854.2	-
IAM-L5	38154.0	-1854.2	-
IAM-L6	220000.0	-1854.2	-
IAM-L7	-1854.2	2362.2	-
IAM-L8	-1854.2	38154.0	-
IAM-L9	-1854.2	220000.0	-



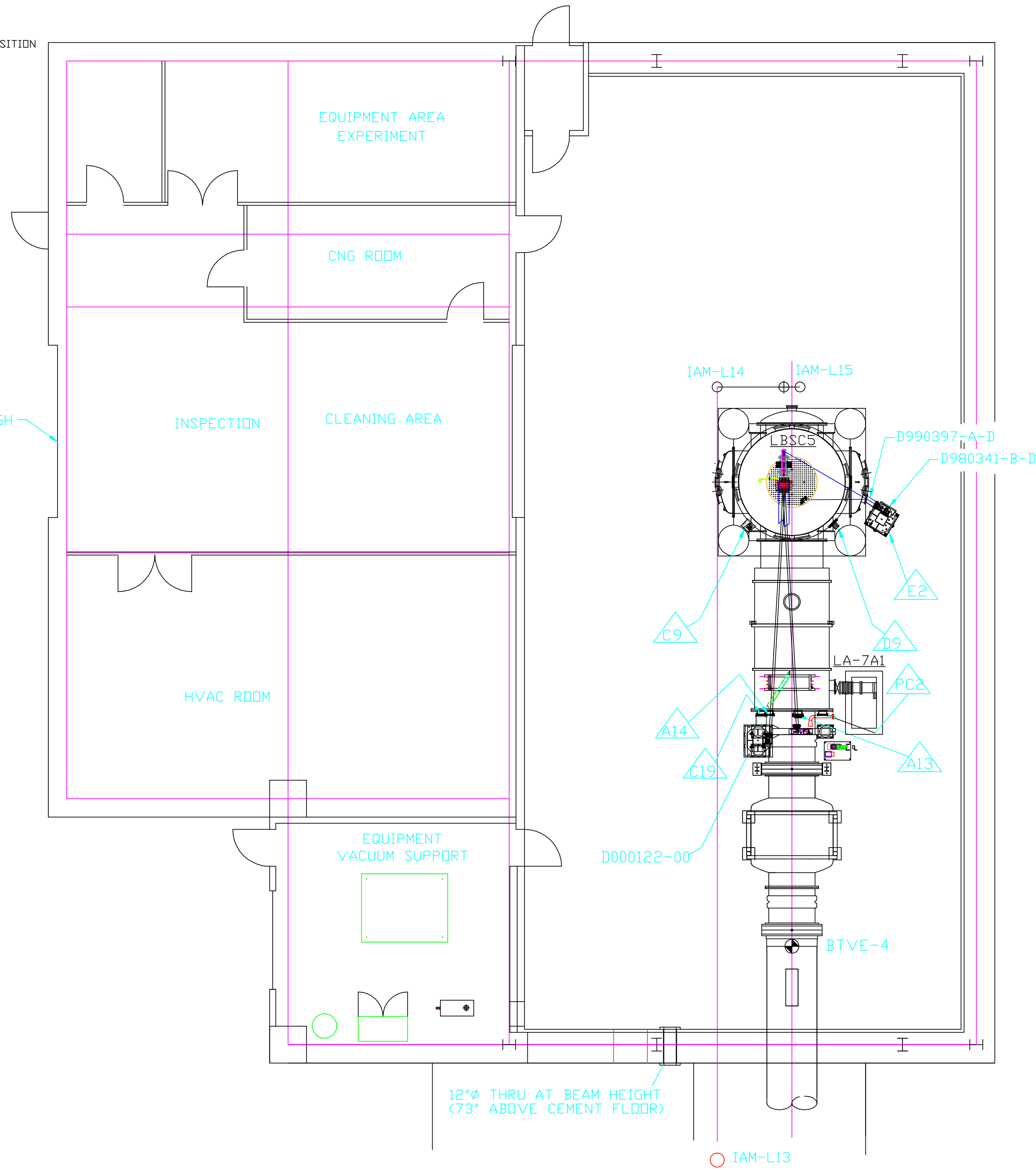
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		TOLERANCES: FRACTIONAL ± ANGULAR ± ANGULARMACH ± BEND ± TWO PLACE DECIMAL ±		THREE PLACE DECIMAL ± FINISHED SURFACE RMS BREAK CORNERS IN OUT; REMOVE ALL BURRS								LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
		MATERIAL:		HEAT TREAT:		FINISH:		C ADDED ISC TABLES				MASON 5/00	
		USED ON: XXX		NEXT ASS'Y: XXX				01 ADDED EXPANDED VIEW, CH'D OFFSET CENTERLINES				MASON 3/99	
DWG. NO.		DESCRIPTION						00 PRE-RELEASE				MASON 1/99	
REFERENCE DRAWINGS								REV		DESCRIPTION		DCN NUMBER	
										APPR'D		CHECK	
										DRWN		DATE	
												SCALE 1' = 10'	
												SHEET 3 OF 5	
												LIGO ASC EQUIPMENT LAYOUT CORNER STATION LOUISIANA SITE CAB FILE D980499-C-S3.dwg SIZE E DWG NO. D980499-C-D	

NOTES:

1. ALL MONUMENT LOCATIONS ARE TO BE WITHIN +/- 3MM OF TRUE POSITION.
2. AFTER LOCATING ALL MONUMENTS, VERIFY Z-POSITION AND RECORD.

PSI_MONUMENT_LOCATIONS_LIGO_GLOBAL			
	X-COORDINATE(MM)	Y-COORDINATE(MM)	Z-COORDINATE(MM)
IAM-L13	-1854.2	3805000.0	TBD
IAM-L14	-1854.2	4002371.75	TBD
IAM-L15	-200.0	4002371.75	TBD
-	-	-	-

OVERHEAD DOOR
14'WIDE x 18'HIGH



12"Ø THRU AT BEAM HEIGHT
(73' ABOVE CEMENT FLOOR)

IAM-L13

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ASC EQUIPMENT LAYOUT
END STATION- Y ARM
LOUISIANA SITE

CAD FILE	D980499-C-S5.dwg	SIZE	D	DWG. NO.	D980499-C-D
SCALE	1" = 6'	SHEET	5 of 5		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:	FRACTIONAL ± 1/8 (3 mm)	FINISHED SURFACE RMS	63
	ANGULAR ± 1°	BREAK CORNERS IN: OUT:	.02
	TWO PLACE DECIMAL ± -	REMOVE ALL BURRS	
	THREE PLACE DECIMAL ± -		
MATERIAL:	HEAT TREAT:	FINISH:	
USED ON: -	NEXT ASS'Y: -		

REV	DESCRIPTION	DCC	SYS	DET	CDS	VE	CC	BT	CHECK	DRWN	DATE
C	UPDATED TO AS BUILT									MASON	5/00
02	MOVED OFFSET CENTERLINE									MASON	3/99
01	MIRRORED OFFSET CENTERLINE									MASON	3/99
00	PRE-RELEASE									MASON	2/99

DWG. NO.	DESCRIPTION
	REFERENCE DRAWINGS