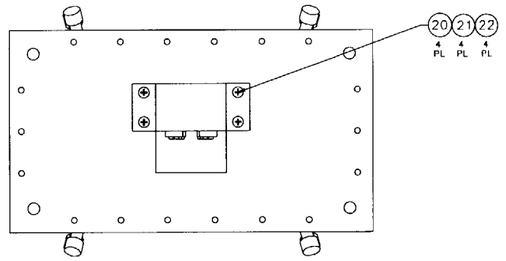
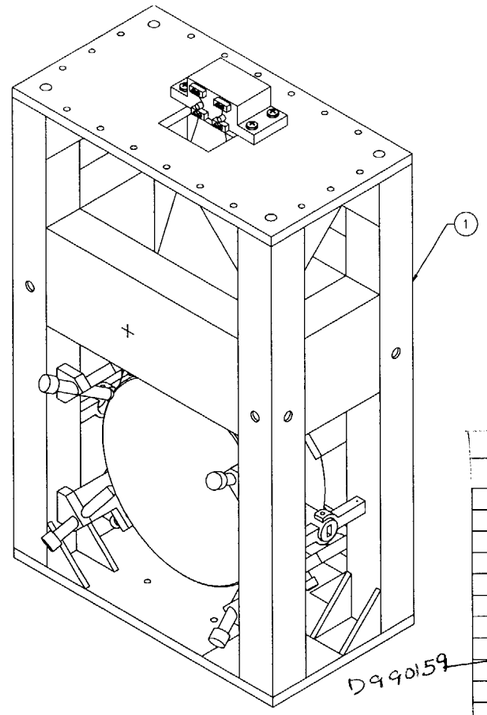
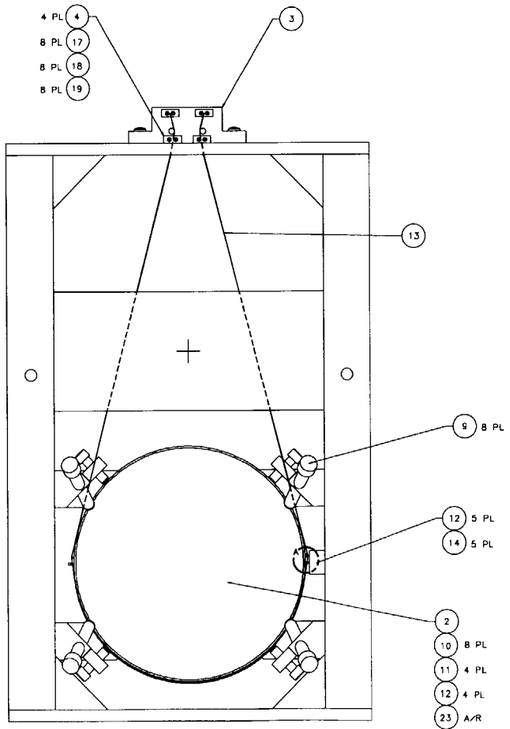
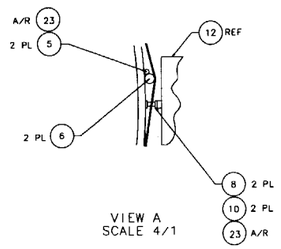
REV	DATE	DRAWN BY	CHECKED	DCC	DCN/DESCRIPTION
A	1/19/98	J. Hazel		L. Turner	E980004/INITIAL RELEASE
B	4/8/98	C. Conley			E980077/UPDATE PARTS LIST

NOTES: (UNLESS OTHERWISE SPECIFIED)
1. SPECIFICTIONS FOR THE CONSTRUCTION OF THIS ASSEMBLY ARE COVERED IN THE LARGE OPTIC SUSPENSION BALANCING SPECIFICATION, LIGO E970154.
2. ~~MATERIAL: CONDUCTIVE TEFLON, MANUF. BY FURON DIXON, 386 METACOM AVE., BRISTOL, RI 02809, (401)253-2000, AND DESIGNATED BY THE NAME FURON DIXON COMPOUND T042.~~
3. HEIGHT ADAPTER IS NOT SHOWN FOR CLARITY. IT IS BOLTED TO THE TOP OF THE LOS STRUCTURE ASSEMBLY USING THE HARDWARE ITEM NOS. 25-28. INSTRUCTIONS INCLUDED IN LIGO E970154.

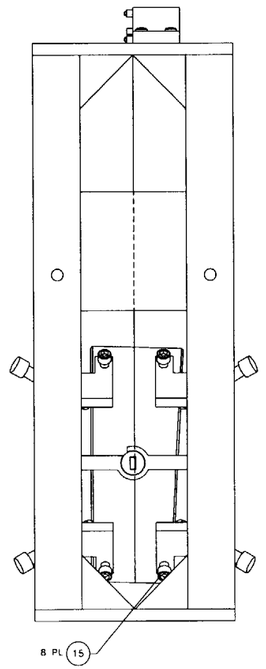








VIEW A
SCALE 4/1



D990186 SIDE BLOCKS, GTM, MMT3, FM

	D970180	WINCH FIXTURE		41
	~~D960761~~	~~FIXTURE, LIFTING~~		40
	~~D970074~~	~~FIXTURE, MAGNET TO DUMBELL STANDOFF~~		39
	~~D960763~~	~~FIXTURE, TEST MASS~~		38
	~~D960752~~	~~FIXTURE, OPTICAL LEVELER~~		37
	D960753	FIXTURE, WIRE AND OPTICS		36
	D960147	FIXTURE, GUIDE ROD		35
	~~D960050~~	FIXTURE, MAGNET/STANDOFF ASSY CLAMP		34
	D970169	MAGNET STRENGTH FIXTURE		33
	D970616	COIL STRENGTH FIXTURE		32
				31
	D970615	PAM SCREW		30
				29
18		1/4-20 x 1.5 LG SHCS	STAINLESS, ~~Ag PLTD~~	28
18		1/4-20 LOCK WASHER	STAINLESS, ~~Ag PLTD~~	27
18	UC Comp. N-2520-A	1/4-20 FLAT WASHER	STAINLESS, ~~Ag PLTD~~	26
~~12~~ 13		1/4-20 HEX NUT	STAINLESS, ~~Ag PLTD~~	25
1	D960145	HEIGHT ADAPTER	② 2	24
A/R		EPOXY, VAC-SEAL		23
4	COMMERCIAL EQUIV NAS620416L	WASHER, FLAT, #1/4	STAINLESS	22
4	COMMERCIAL EQUIV MS35338-139	WASHER, SPLIT LOCK, #1/4	STAINLESS	21
4	U-C COMPONENTS P/N C-2016-NA	SCREW, SHCS, 1/4-20 x 1.00	STAINLESS, Ag PLTD	20
8	COMMERCIAL EQUIV NAS620C4L	WASHER, FLAT, #4	STAINLESS	19
8	COMMERCIAL EQUIV MS35338-135	WASHER, SPLIT LOCK, #4	STAINLESS	18
8	U-C COMPONENTS P/N C-~~2412~~-NA 408	SCREW, SHCS, 4-40 x ~~.75~~ .50	STAINLESS, Ag PLTD	17
		LOS Safety Stop		16
8	D990190	~~SCREW, HEX HEAD, 3/8-16 x 1.50~~ ④		15
6	U-C COMPONENTS P/N T-1003-NA	SET SCREW, SOCKET, 10-32 x .188	STAINLESS, Ag PLTD	14
A/R		WIRE, ϕ.0120"/-.0003"	MUSIC WIRE	13
5	D960138	SENSOR/ACTUATOR HEAD ASSEMBLY		12
4	D970075	DUMBELL STANDOFF		11
10	D960501	MAGNET		10
8	D960499	LOS CHAMFER STOP		9
2	D960149	LOS SIDE STANDOFF		8
				7
2	D960755	LOS LARGE WIRE STANDOFF		6
1	D960146	LOS GUIDE ROD		5
4	D960134	LOS CLAMP, SUSPENSION BLOCK		4
1	D960144	LOS SUSPENSION BLOCK		3
1	COATING SPEC E980068	OPTIC, ϕ25cm x 10cm THICK	[END TEST MASS]	2
1	D960133	LOS STRUCTURE ASSEMBLY		1
QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO.

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ±1/64, DECIMALS ±.01, ANGLES ±1°. DO NOT SCALE DRAWING.

APPROVALS	DATE
DRAWN J. Hazel	5/98
CHECKED	

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY

TITLE: LARGE OPTIC SUSPENSION ASSEMBLY (LOS1a) FOR END TEST MASS

NEXT ASSEMBLY	MATERIAL
FINAL	N/A
FILE LOCATION: home/dcc/docs/D960132.pdf	FINISH: N/A

SIZE E | D960132 | REV B

SCALE 1/2 | SHEET 1 OF 1

B-B1