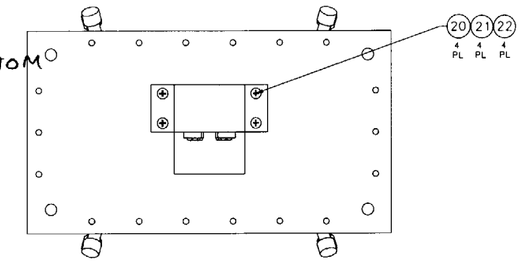
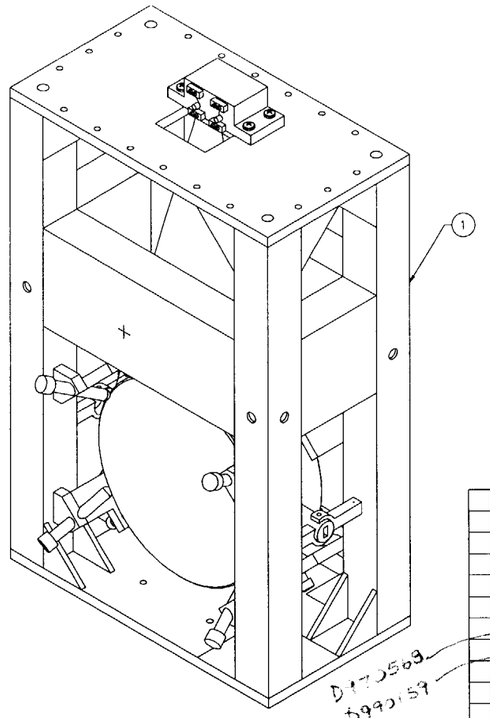
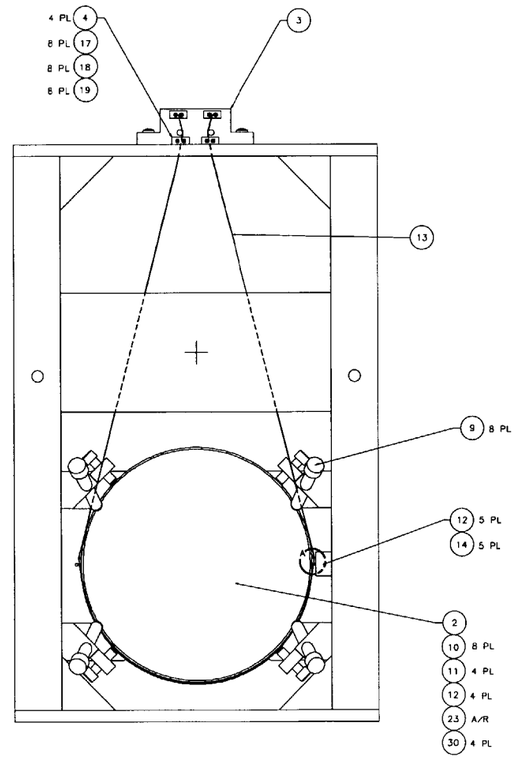
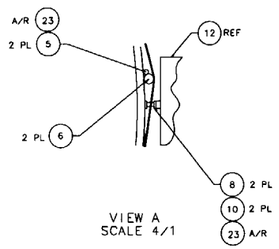
REV	DATE	DRAWN BY	CHECKED	DCC	DCN/DESCRIPTION
A	4/8/98	J. Hazel		L. Turner	E980077/INITIAL RELEASE

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 1042.~~
3. HEIGHT ADAPTER IS NOT SHOWN FOR CLARITY. IT IS BOLTED TO THE ~~TOP~~BOTTOM OF THE LOS STRUCTURE ASSEMBLY USING THE HARDWARE ITEM NOS. 25-28. INSTRUCTIONS INCLUDED IN LIGO E970154.

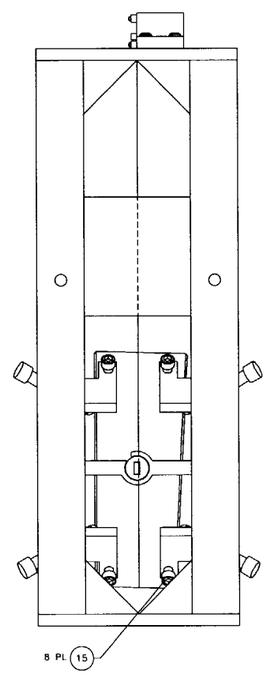








VIEW A
SCALE 4/1



D990188 SUB-ASSEMBLY

		D970180	WINCH FIXTURE		41
					40
		D970074	~~FIXTURE, MAGNET-TO-DUMBELL STANDOFF~~		39
					38
		~~D960752~~	~~FIXTURE, OPTICAL LEVELER~~		37
		D960753	FIXTURE, WIRE AND OPTICS		36
		~~D970578~~	FIXTURE, GUIDE ROD, RM, 2K		35
		~~D960050~~	FIXTURE, MAGNET/STANDOFF ~~ASSY~~		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,~~AC PLTD~~	27
	18		1/4-20 FLAT WASHER	STAINLESS,~~AC PLTD~~	26
18	22	Ultramp N-250-A	1/4-20 HEX NUT	STAINLESS~~Ag PLT'D~~	25
	1	D970579	HEIGHT ADAPTER, 2M2*	~~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-412-NA	SCREW, SHCS, 4-40 x ~~.750~~ .50	STAINLESS,Ag PLTD	17
			LOS Safety Stop		16
	8	D990690	SCREW, HEX HEAD, 3/8-16 x 1.50 ~~2~~		15
	6	U-C COMPONENTS P/N T-1003-NA	SET SCREW, SOCKET, 10-32 x .188	STAINLESS,Ag PLTD	14
	A/R		WIRE, ø.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	D970567	RECYCLING MIRROR SIDE STANDOFF		8
					7
	2	D970565	RECYCLING MIRROR WIRE STANDOFF		6
	1	D970566	RECYCLING MIRROR GUIDE ROD		5
	4	D960134	LOS CLAMP, SUSPENSION BLOCK		4
	1	D960144	LOS SUSPENSION BLOCK		3
	1	COATING SPEC E980070	OPTIC, ø25cm x 10cm THICK	RECYCLING MIRROR, 2K	2
	1	D970551	RECYCLING MIRROR 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 DECIMALS ANGLES

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 (LOS1e) FOR RECYCLING MIRROR, 2K (RM, 2K)

NEXT ASSEMBLY	MATERIAL
FINAL	N/A
FILE LOCATION	FINISH
home/dcc/docs/D970577.pdf	N/A

SIZE E | D970577 | REV A1

SCALE 1/2 | SHEET 1 OF 1

REDLINE