LIGO-T980132-00-D

Caltech/MIT- LIGO Project Route 10, Mile Marker 2 Richland, WA 99352

# LIGO PROJECT

PO BOX 1970
MAIL STOP S9-02
RICHLAND, WA 99352

# FAX

Date: 5-21-98
Number of pages including cover sheet: 3

To:
MIKE FINE
FRED ASIRI

Phone:
Fax phone:
CC:

From: HUGH RADKINS
Caltech/MIT - LIGO Project
PO Box 1970 MS-S9-02
Richland, WA 99352

Phone: 509-372-~~2525~~ 0577
Fax phone: 509-372-2178

REMARKS: ☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please comment

MIKE & FRED

HERE ARE LAB NOTES FROM OUR HAM SHELL/ SUPPORT TABLE INTERFERENCE CHECKS; MIGHT HELP.

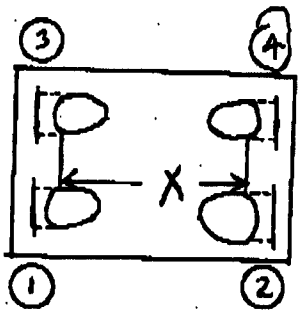
HUGH

R.S. H.R. BKM

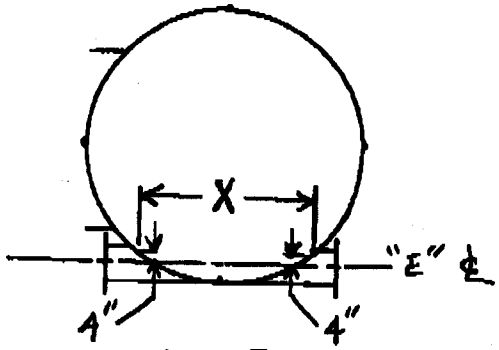
5-5-98

# CHECKING, CLEARANCE BETWEEN SUPPORT TABLE & HAM SHELL

OBJECTIVE: MEASURE CLEARANCE (DISTANCE) ON INTERIOR OF HAM SHELL ALONG X (℄ ST) AXIS @ 4" ABOVE ℄ OF HAM "E" NOSSLES.



TOP CUTAWAY



SIDE

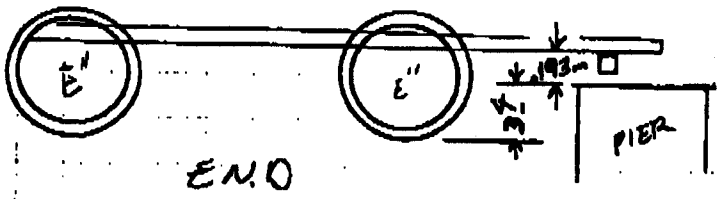
PLAN: BUILD STACK TO SUPPORT A BEAM SUCH THAT THE BOTTOM OF BEAM IS AT DESIRED ELEVATION.

TOP OF PIER HAVE BEEN ELEVATED (MEASURED) ACCURATELY. THIS WILL BE BASE OF OUR STACK. THE ADAPTER PLATE, OPTICS PLATE & 2" BAR WILL GET US CLOSE.

Top of pier 1 is 3.401" above bottom of "E" Nossle (see previous page) "E" NOSSLES are 14" Diameter ⇒ 7" is ℄. We are looking for 4" above ℄ ∴ 11"

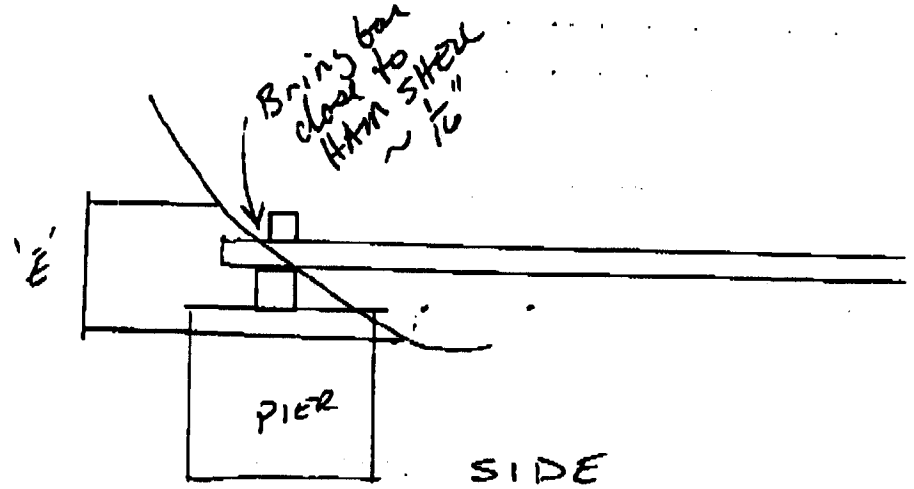
$$11" - 3.401" = 7.599" \left(\frac{1\,m}{39.37"}\right) = 0.193\,m$$

So, top of 2" bar was set 193 mm above top of pier for all four piers

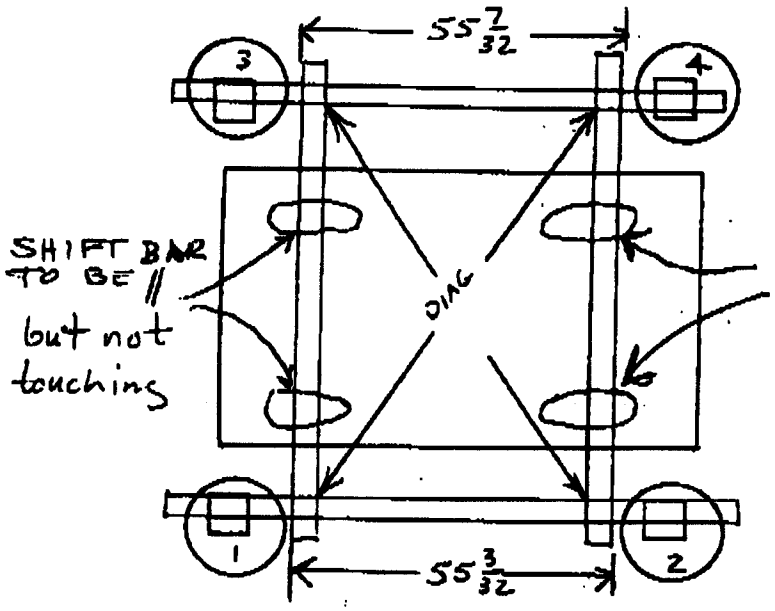



END

5-15-98

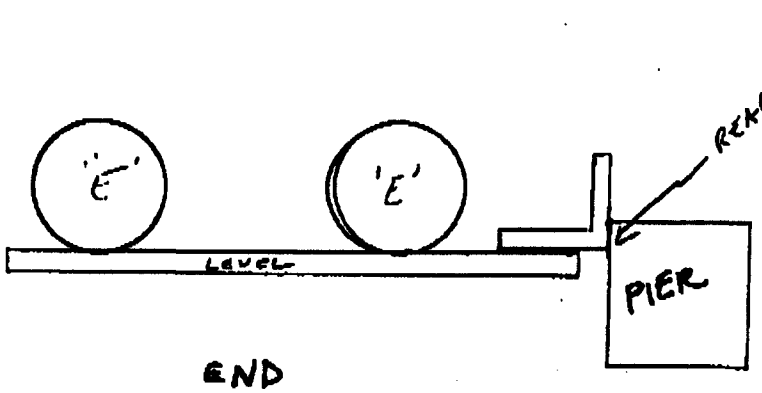



SIDE




DIAG: (2-3) - (1-4) ~ 1/2

TOP




END