

Interoffice

12 METER MILLIMETER WAVE TELESCOPE

MEMO No. 68

NATIONAL RADIO ASTRONOMY OBSERVATORY

TUCSON, ARIZONA

August 7, 1981

To: Lee King

From: D. Ross

Subject: 12-Meter BUS/Receiver Mounting

We hope to mount two of our existing receivers beneath the BUS. We would utilize the area bounded by the points 105, 83, 32, and 2 as well as the corresponding points in the adjacent quadrant (See Fig. #1). These points are shown on your sketch of 7/31/81 and labeled as my Fig. 2. Since the area mentioned is larger than our receiver box, we would require some additional members for mounting purposes. I would like to discuss these members at some later date.

I am presently concerned, as per our discussion 8/5/81, with the area directly beneath the points 105, 83, 32 and 2. Your sketch of 7/31/81 and labeled as my Fig. 3, shows a member tying point #32 to the elevation axel. That member (see Fig. #4) would make our present receiver mounting plan impossible as it passes directly under the mounting area.

If the alternate method of attaching the BUS to the elevation axel we discussed is not feasible, would you please investigate other ways of attachment so that the area of interest is not obstructed?

RECEIVER
MOUNTING
AREA

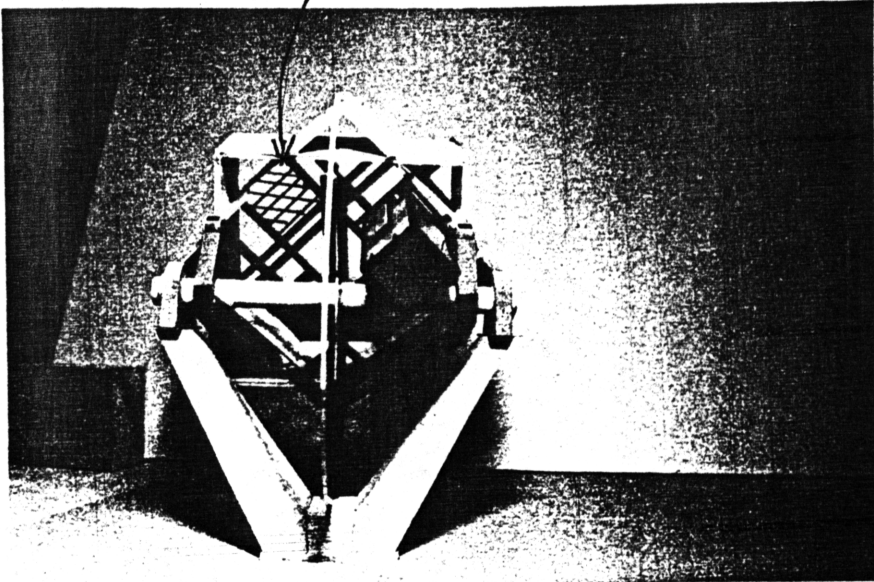


Fig. 1

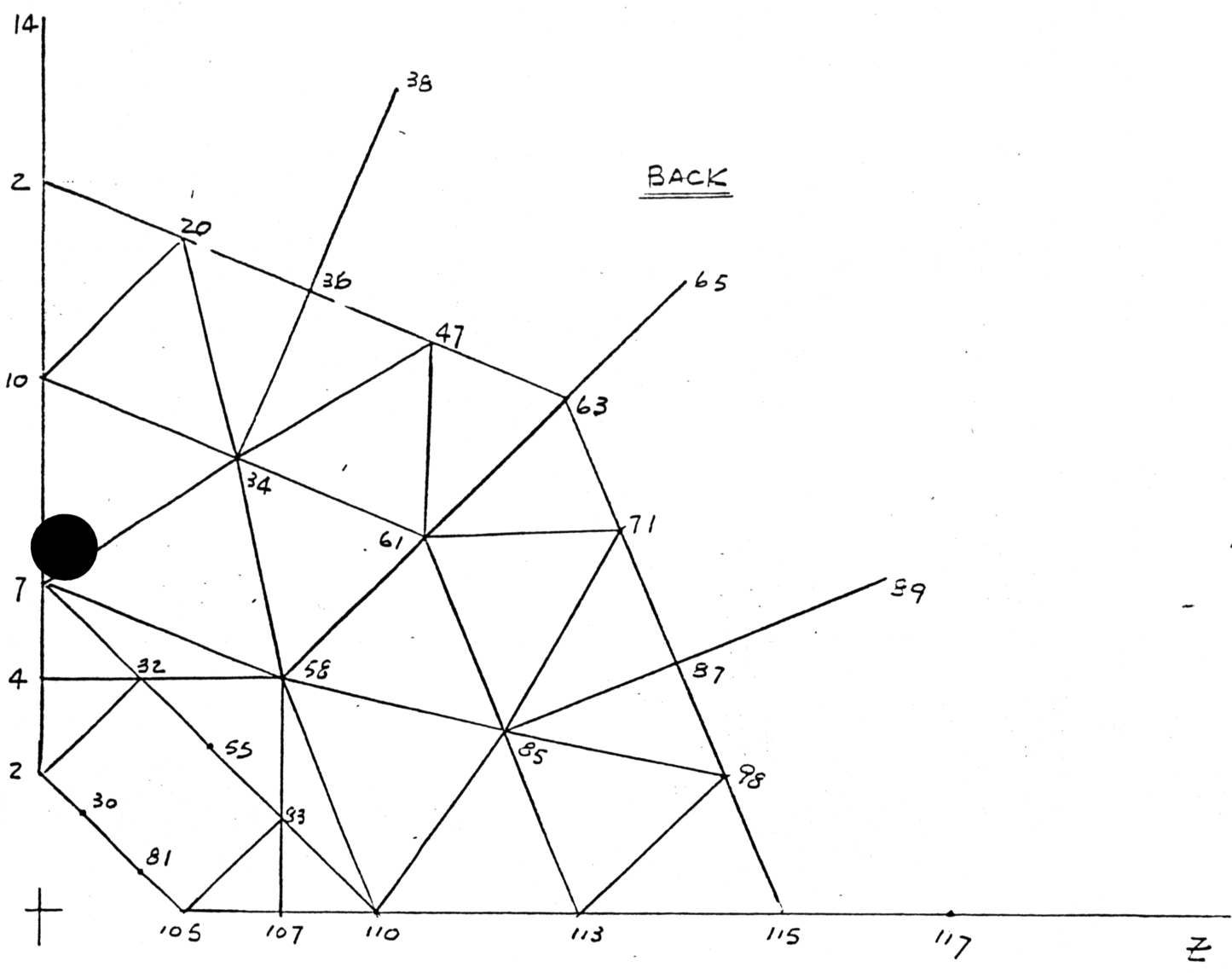
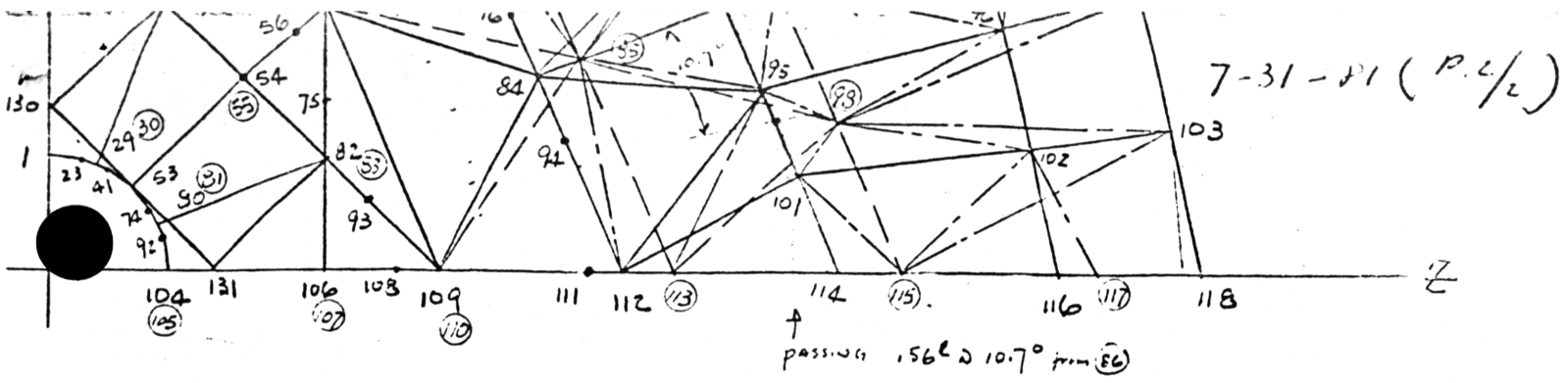


FIG. 2

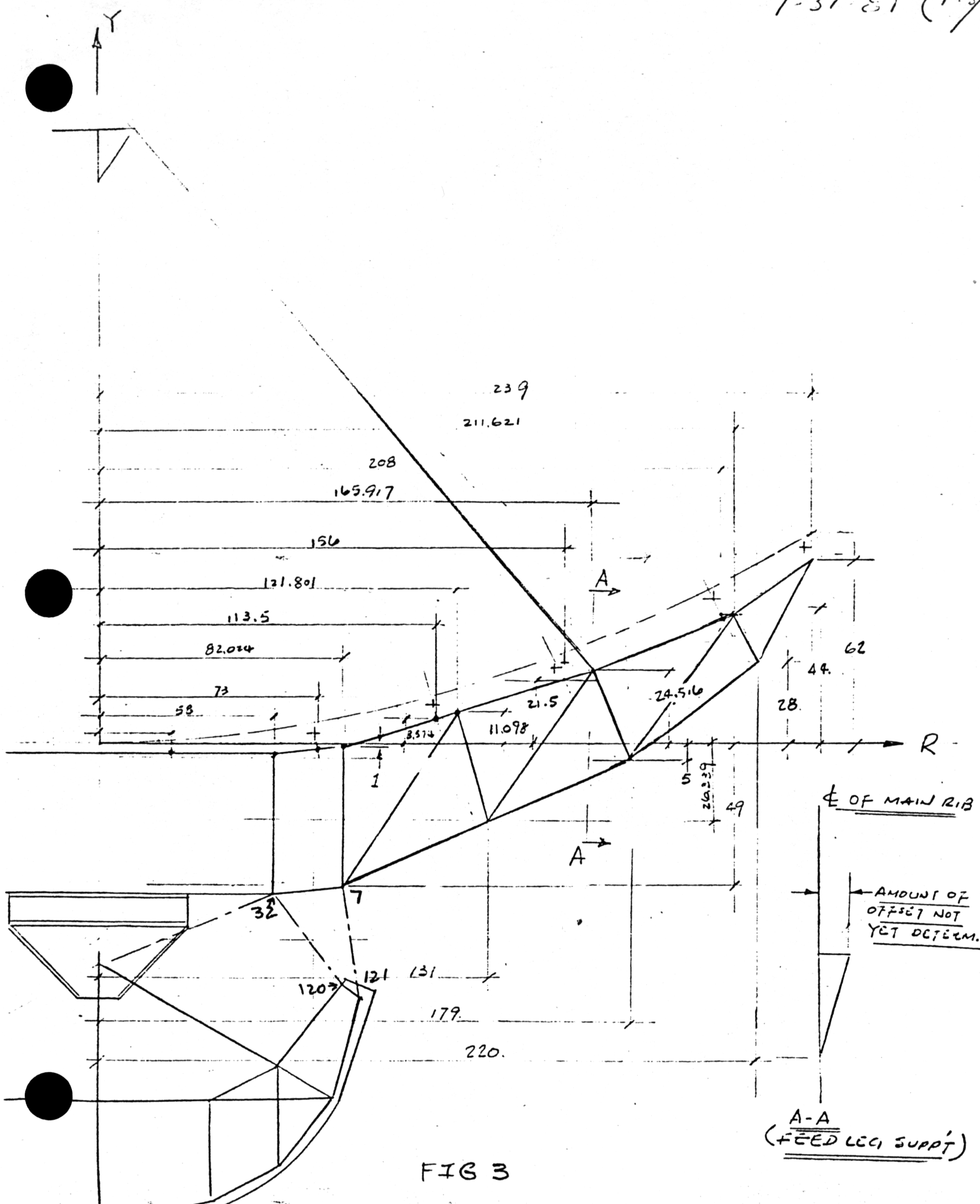


FIG 3

POINT #32

MEMBER
FROM #32
TO EL. AXEL

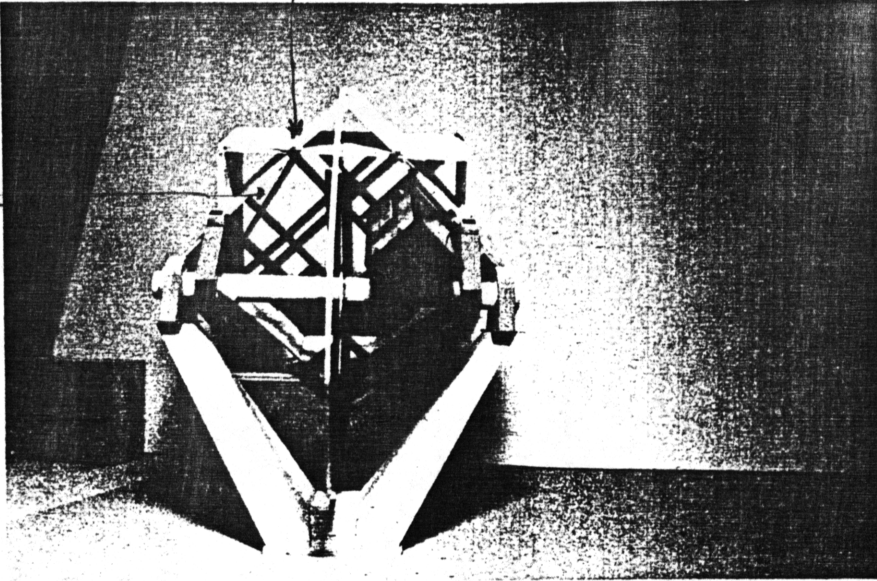


FIG. 4