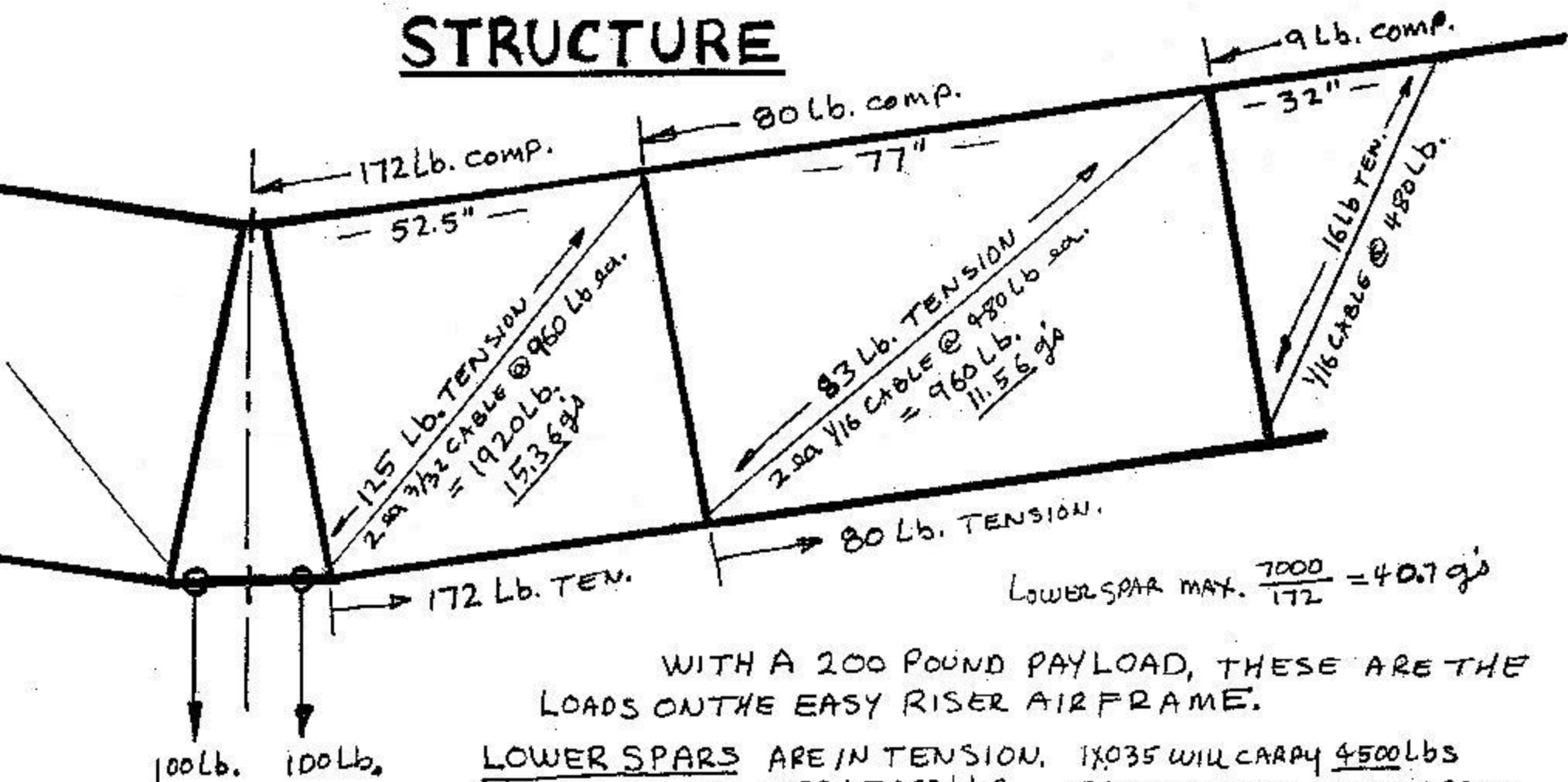


# STRUCTURE



LOWER SPAR MAX.  $\frac{7000}{172} = 40.7 \text{ g's}$

WITH A 200 POUND PAYLOAD, THESE ARE THE LOADS ON THE EASY RISER AIR FRAME.

LOWER SPARS ARE IN TENSION. 1X.035 WILL CARRY 4500 LBS AND 1.5X.035 WILL CARRY 7000 LBS. IF ALL THE LOAD WERE CARRIED ON THE SMALLEST TUBE ALONE THE 1" TUBE WOULD SUPPORT 26 g's.

UPPER SPARS ARE IN COMPRESSION COMPRESSION LOADS ON TUBING ARE SHOWN:

FIRST BAY MAX LOAD COULD BE  $\frac{1965}{172} = 11.4 \text{ g's}$ .

SECOND BAY MAX LOAD COULD BE  $\frac{780}{80} = 9.75 \text{ g's}$ .

	52.5"	77.0"
1X.035	440 Lb.	200 Lb.
1.5X.035	1525 Lb.	580 Lb.
TOTAL	1965 Lb.	780 Lb.

U.F.M.

SCALE 20

THE EASY RISER WAS STATIC LOAD TESTED IN 1976 USING SAND BAGS TO 9.0 g's POSITIVE, AND 5.0 g's NEGATIVE, WITH NO STRUCTURAL FAILURE.

LOAD