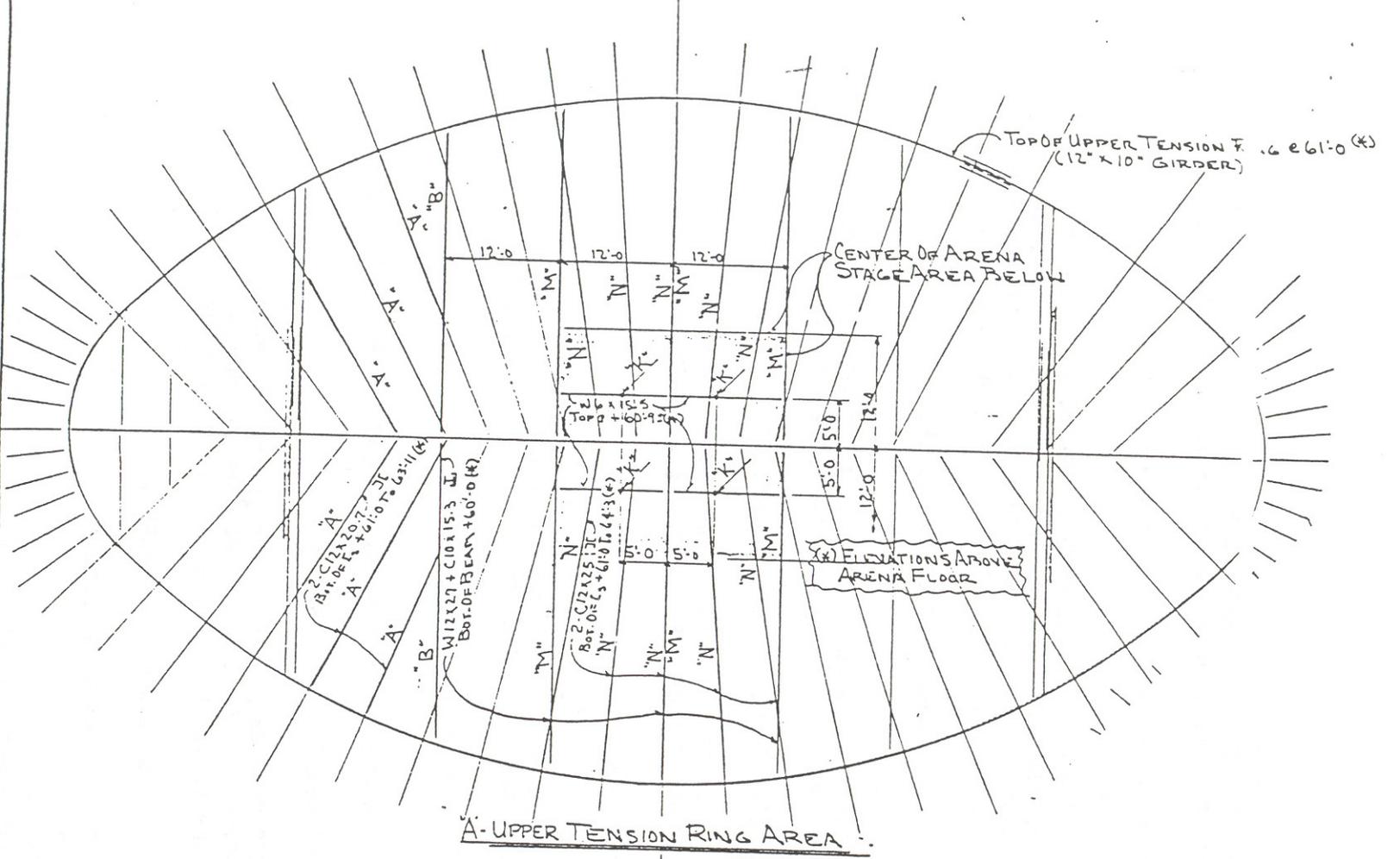


TRANSVERSE SECTION (LOOKING WEST)

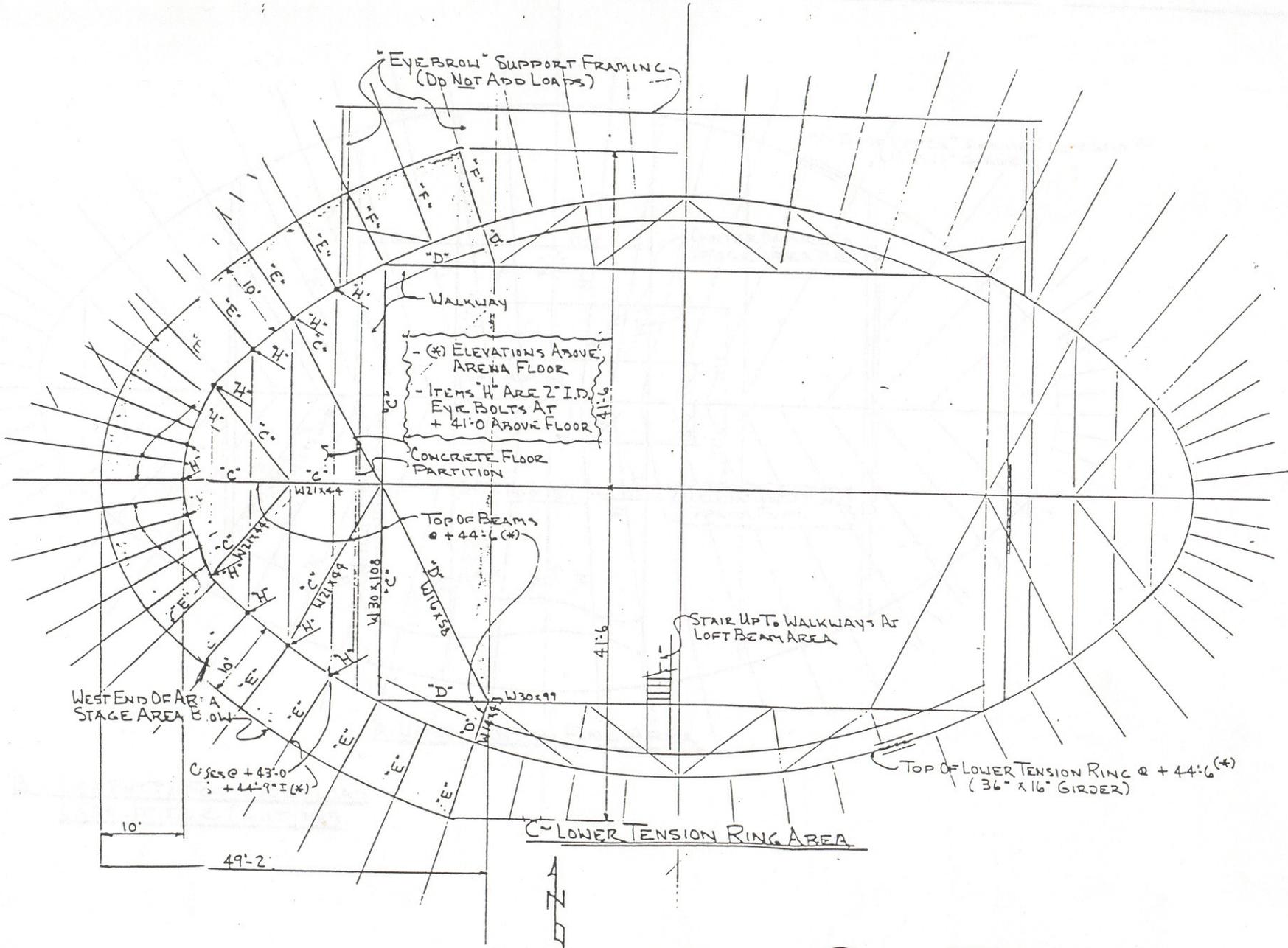


ORAL ROBERTS
UNIVERSITY
MABEE CENTER
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TULSA OKLAHOMA
 frank w. wallace a.i.a.
 architect tulsa



B - SEE SHT. #2 FOR ADDED LOAD CAPACITIES & CAUTIONS.

"EYEBROW" SUPPORT FRAMING
(DO NOT ADD LOADS)



ORAL ROBERTS UNIVERSITY



R A T E I U	LLOYD W. ABBOTT, Consulting Engineers CIVIL, FOUNDATION & STRUCTURAL Tulsa, Oklahoma	LOFT SHT. # 1
DRAWN CHECKED	MABEE CENTER RIGGING SUPPORT	
DATE 20MAY86	DO NOT SCALE DRAWING. USE FIGURES SHOWN.	JOB: 114-86

Diagram Key:

Up to a maximum 40,000 lbs, (Temporary) total additional stage production loft loads may be added as follows:

1) For stage erected at West End Of Arena Floor:

A. Double channel roof support members marked "A":

A rope or flange clamps may be used to add up to 2000 lbs, in one place or in two places, if up to five feet apart, on each beam. Ceiling panels will need be removed. Replace panels after use.

B. Already loaded loft beams marked "B":

A rope may be used to add up to 2000 lbs, in one place only, on each beam. Ceiling panels will need be removed. Replace panels after use.

C. Floor support beams marked "C":

Flange clamps may be used to add up to 2000 lbs, in one place only, on each beam. Ceiling panels will need be removed. Replace panels after use.

D. Bracing beams marked "D":

A rope or flange clamps may be used to add up to 2000 lbs in one place or in two places, if up to five feet apart, in beam.

E. Main lower tension ring support cables marked "E":

Wrap cable with $\frac{1}{4}$ inch thick (Minimum) neoprene and use clamp or rope to add up to 2000 lbs in one place or in two places, if up to five feet apart, on each cable.

F. Main lower tension ring support cables marked "F":

Wrap cable with $\frac{1}{4}$ -inch thick (Minimum) neoprene and use clamp or rope to add up to 2000; be in one place only on each cable. Note that light fixtures in acoustical "eyebrow" must be removed to obtain access to the cables. **DO NOT LOAD 'eyebrow' or 'eyebrow' support steel.**

H Existing eyebolts on bottom flange of tension ring marked "H":

Up to 4000 lbs may be added (Carefully) to each eyebolt only if in vertical position. Capacity decreases rapidly to only about 600 lbs if tied off at 45 degrees.

2) For stage erected at center of arena:

K. Winch lines for scoreboard marked "K" on plan:

These lines or the head block support beams may be used to add up to 2000 lbs each after the scoreboard is removed.

M. Already loaded loft beams marked "M" on plan

A rope may be used to add up to 2000 lbs in one place on each of these beams only if winch support beams marked "K" above are not being used for added loads.

N. Double channel roof support beams marked "N"

A rope or flange clamps may be used to add up to 2000 lbs in one place or in two places, if up to five feet apart, on each beam. Ceiling panels will need be removed. Replace panels after use.

CAUTION!!

- Maximum total added loads shall not exceed 40,000 lbs and shall be temporary.
- Do not use torch or welder above main floor level.
- Added loads approved for use in winter months, only if snow and/or ice load in valley above technical balcony is less than about four (4) inches of ice or sixteen (16) inches of light snow drift.