



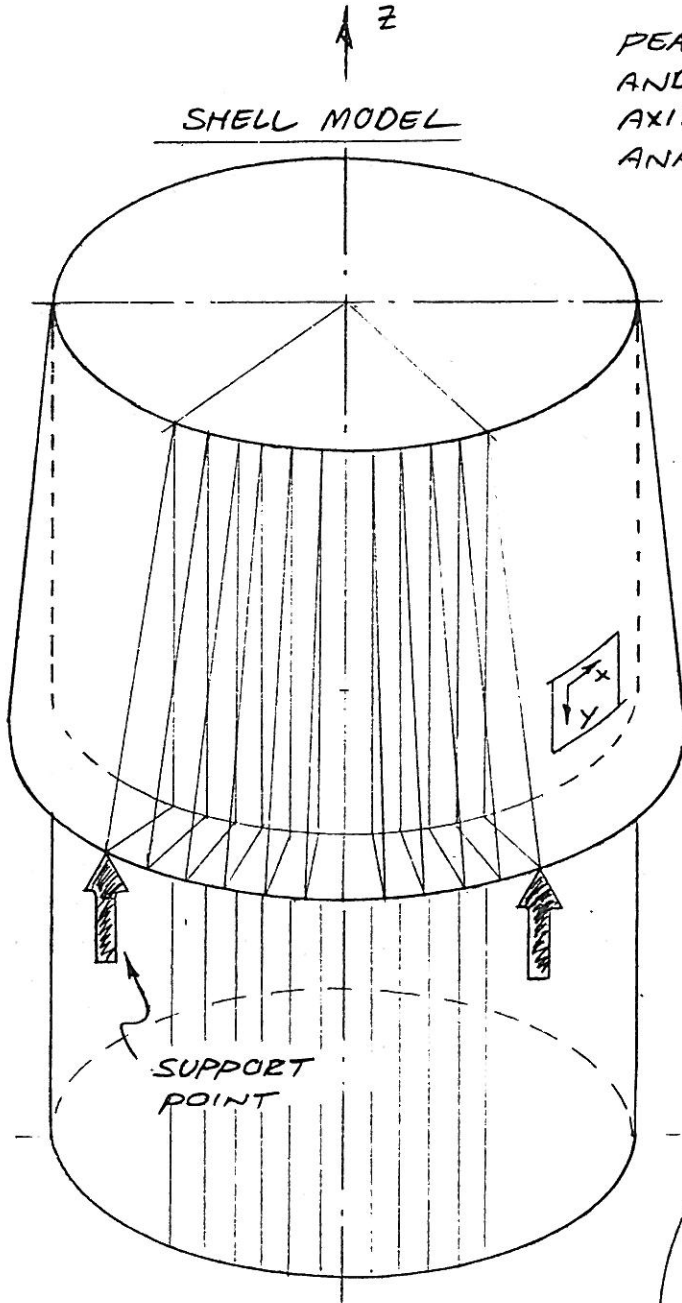
Fiberglass Structural Engineering, Inc.

Job No. 1378-1

Date 1/6/83

Title FRP SHOULDER & STEEL SUPPORT SHELL ANALYSIS

Name R.R.



PEAK LOADS ARE DETERMINED AND USED AS INPUT TO 2D AXISYMETRIC SHOULDER ANALYSIS.

AVERAGE LOAD ASSUMING UNIFORM DISTRIBUTION BY STEEL RING.

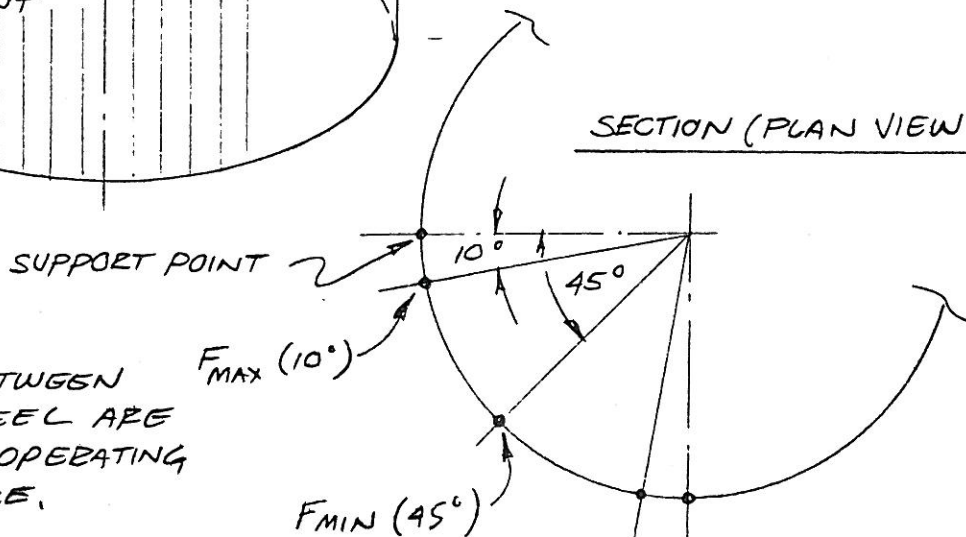
$$F_{AVE} = 165.0 \frac{lb}{IN}$$

SHELL ANALYSIS SHOWS THAT DISTRIBUTION OF LOAD IS NOT UNIFORM.

$$F_{MAX} = 222 \frac{lb}{IN}$$

$$F_{MIN} = 100 \frac{lb}{IN}$$

SECTION (PLAN VIEW)



ALL GAPS BETWEEN FRP AND STEEL ARE CLOSED AT OPERATING TEMPERATURE.