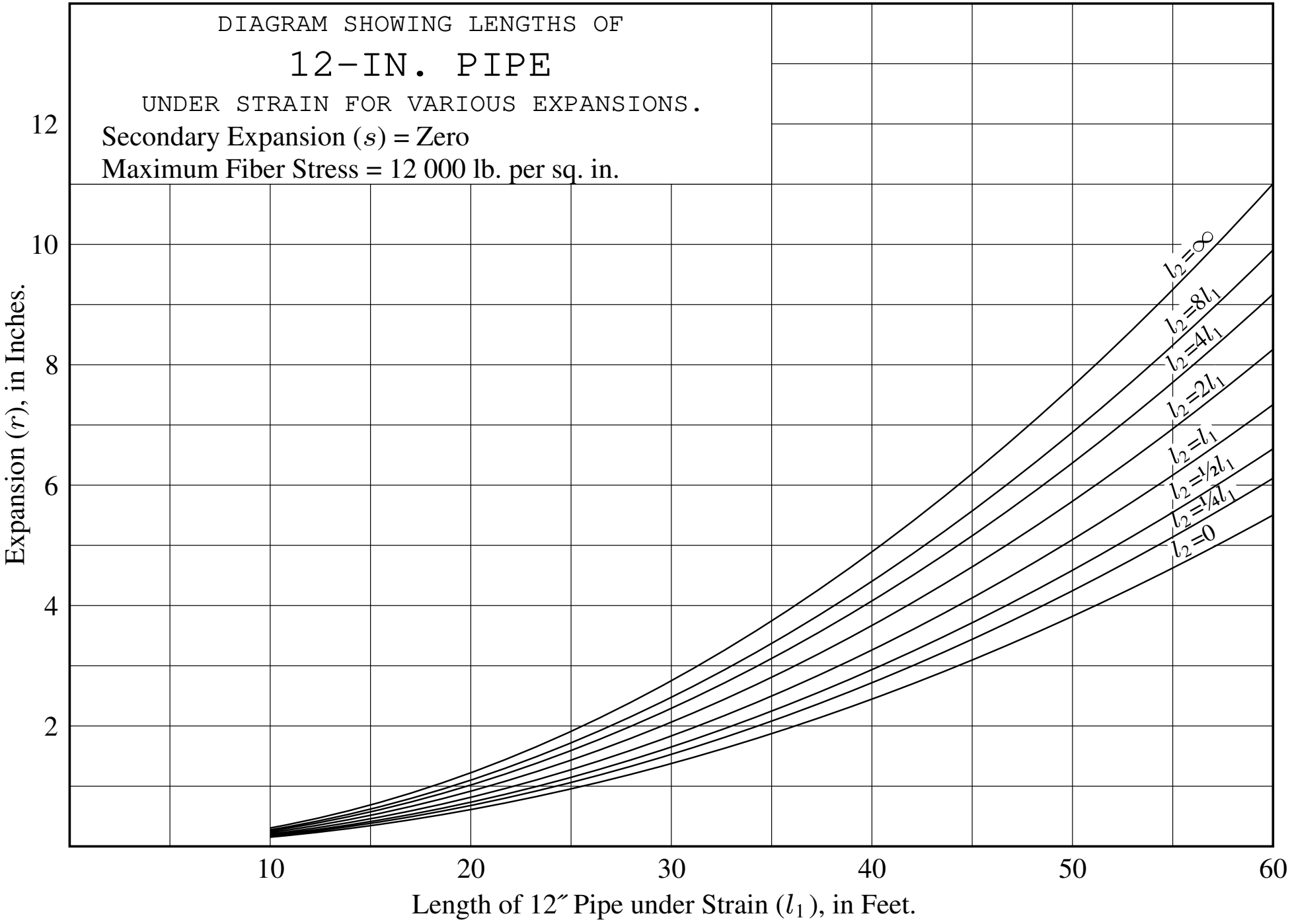
DIAGRAM SHOWING LENGTHS OF
12-IN. PIPE
UNDER STRAIN FOR VARIOUS EXPANSIONS.
Secondary Expansion (s) = Zero
Maximum Fiber Stress = 12 000 lb. per sq. in.
Expansion (r), in Inches.
Length of 12″ Pipe under Strain (l1), in Feet.
l2=∞
l2=8l1
l2=4l1
l2=2l1
l2=l1
l2=½l1
l2=¼l1
l2=0
2
4
6
8
10
12
10
20
30
40
50
60