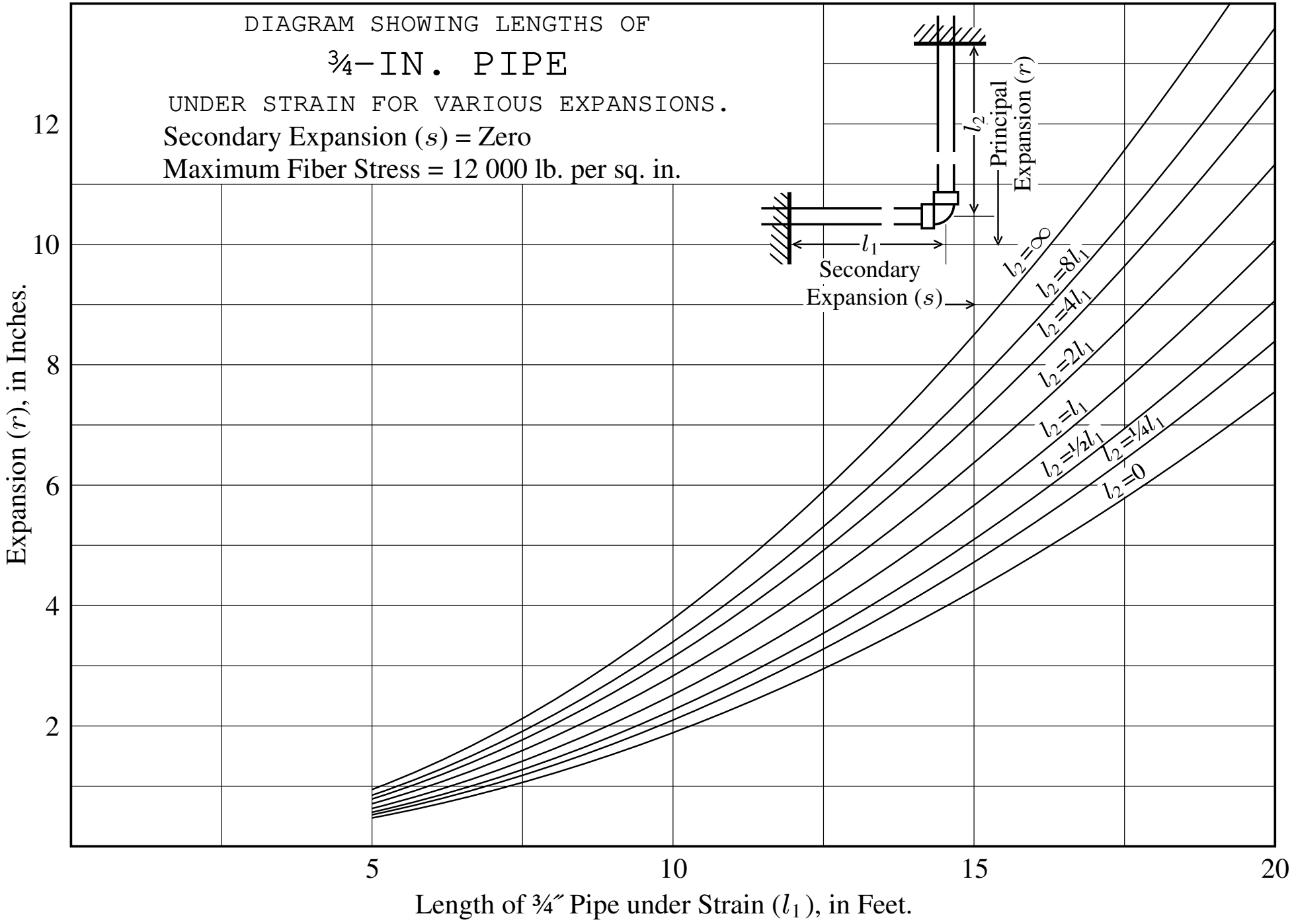
DIAGRAM SHOWING LENGTHS OF
¾-IN. PIPE
UNDER STRAIN FOR VARIOUS EXPANSIONS.
Secondary Expansion (s) = Zero
Maximum Fiber Stress = 12 000 lb. per sq. in.
Principal Expansion (r)
l2
l1
Secondary Expansion (s)
l2=∞
l2=8l1
l2=4l1
l2=2l1
l2=l1
l2=½l1
l2=¼l1
l2=0
Expansion (r), in Inches.
2
4
6
8
10
12
5
10
15
20
Length of ¾″ Pipe under Strain (l1), in Feet.