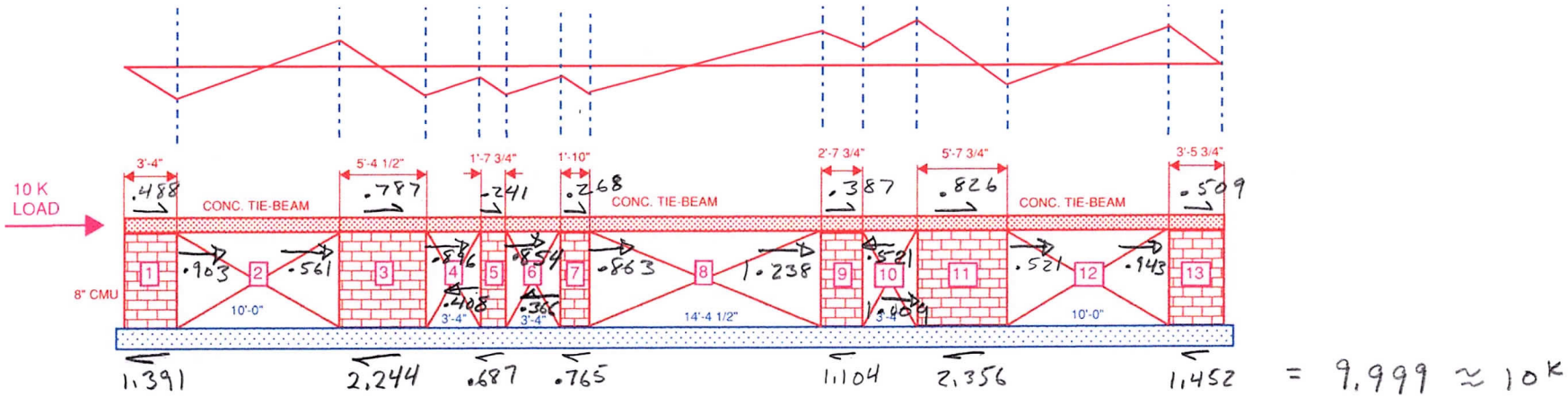

Element	Length	Element Type
1	3.33 FT	Wall
2	10.00 FT	Collector
3	5.38 FT	Wall
4	3.33 FT	Collector
5	1.65 FT	Wall
6	3.33 FT	Collector
7	1.83 FT	Wall
8	14.35 FT	Collector
9	2.65 FT	Wall
10	3.33 FT	Collector
11	5.65 FT	Wall
12	10.00 FT	Collector
13	3.48 FT	Wall

Total Length of Walls = 23.96 FT
Total Length of Collectors = 44.35 FT
Total Length of LFRS Line = 68.31 FT

Unit Shear

Diaphragm = 0.146 k/ft
Wall = -0.417 k/ft

Net Unit Shear

Collector = 0.146 k/ft
Wall = -0.271 k/ft

Diaphragm Shear Forces in Wall

Element 1 = 0.488 kip
Element 2 = 0.000 kip
Element 3 = 0.787 kip
Element 4 = 0.000 kip
Element 5 = 0.241 kip
Element 6 = 0.000 kip
Element 7 = 0.268 kip
Element 8 = 0.000 kip
Element 9 = 0.387 kip
Element 10 = 0.000 kip
Element 11 = 0.826 kip
Element 12 = 0.000 kip
Element 13 = 0.509 kip

Collector to Wall Connection Forces

Element 1 to 2 = -0.903 kip (Tension)
Element 2 to 3 = 0.561 kip (Compression)
Element 3 to 4 = -0.896 kip (Tension)
Element 4 to 5 = -0.408 kip (Tension)
Element 5 to 6 = -0.854 kip (Tension)
Element 6 to 7 = -0.366 kip (Tension)
Element 7 to 8 = -0.863 kip (Tension)
Element 8 to 9 = 1.238 kip (Compression)
Element 9 to 10 = 0.521 kip (Compression)
Element 10 to 11 = 1.009 kip (Compression)
Element 11 to 12 = -0.521 kip (Tension)
Element 12 to 13 = 0.943 kip (Compression)