

Dead Load Moment

Dead Load Factor 1.25 AASHTO LRFD TABLE 3.4.1-2
Dead Load Moment 0.29279521 ft-kip/ft $(1.25wL^2/8)*C$

Total Moment

LL Moment 9.10219
DL Moment 0.292795
Total Moment 9.394985

Check for Decking Moment Capacity

First check concrete in Positive Bending

$M_{N\text{-Concrete}} = 32.3446856$

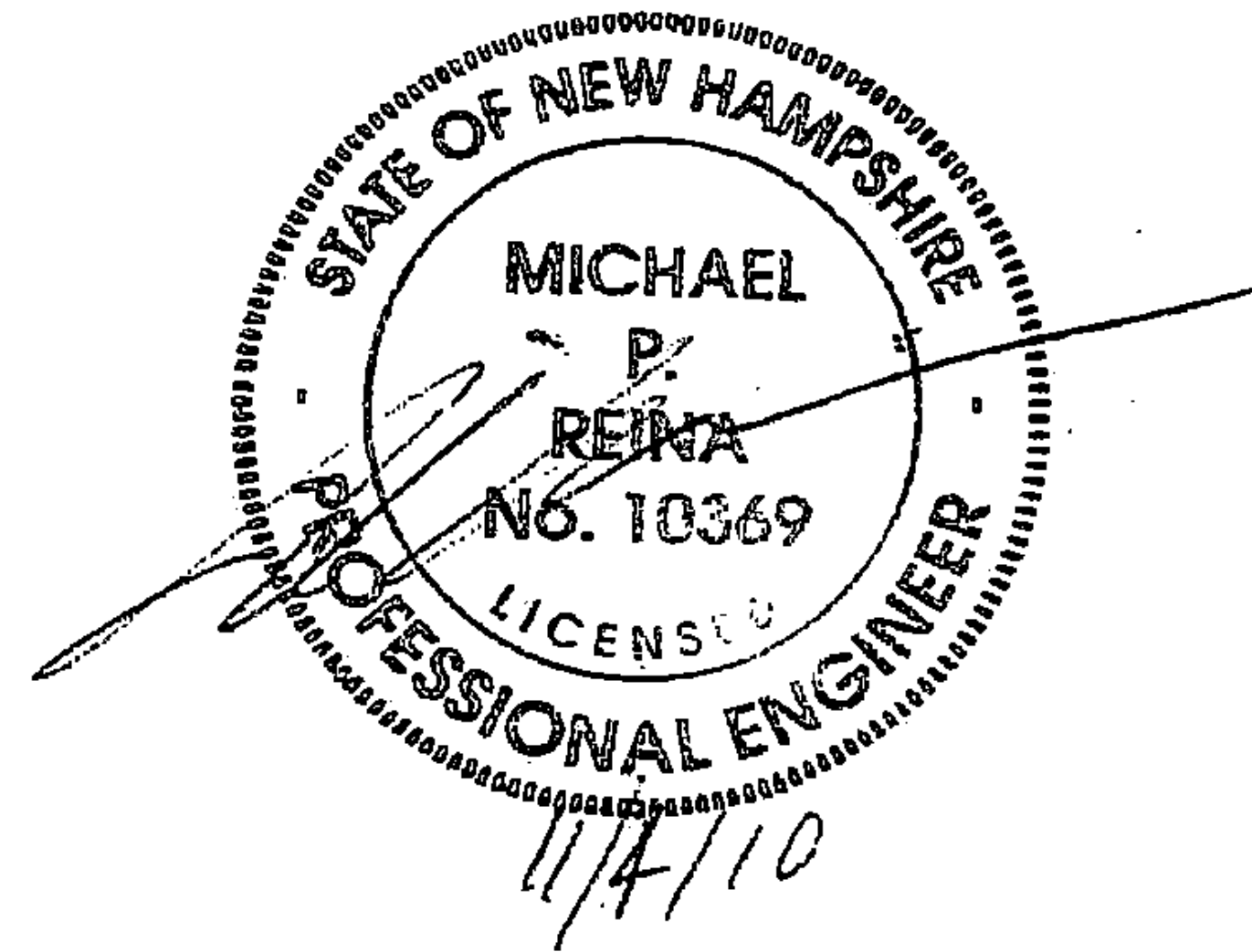
Then check Top and Bottom Steel Properties

$M_{N\text{-Top Steel}} = 11.771507$

$M_{N\text{-Bot Steel}} = 11.6776897$

Use Minimum 11.6776897

Check against design Moment OK



177 PRC FAS
DECK PANELS