

Cracked Section	
$D_x =$	78,233 kips-in ² / in
$D_y =$	25,375 kips-in ² / in
$D =$	3.08309201

LRFD Design

Steel Grade
 KSI

Main Bars P=Parallel; T=Transverse

Span Length L = Inches
 Continuity Factor C =

- Transverse Design
- Parallel Design

Live Load Moments

Main Bars Transverse to Traffic

For Span Lengths <= 120 Inches

LRFD 4.6.2.1.8 - 1 Moment = $C * 1.28 * D^{0.197} * L^{0.459} = 9.10219$ kip-in./in.

For Span Lengths > 120 Inches

LRFD 4.6.2.1.8 - 2 Moment = $C * (D^{0.188} * (3.7 * L^{1.35} - 956.3) / L) = 3.21084$ kip-in./in.

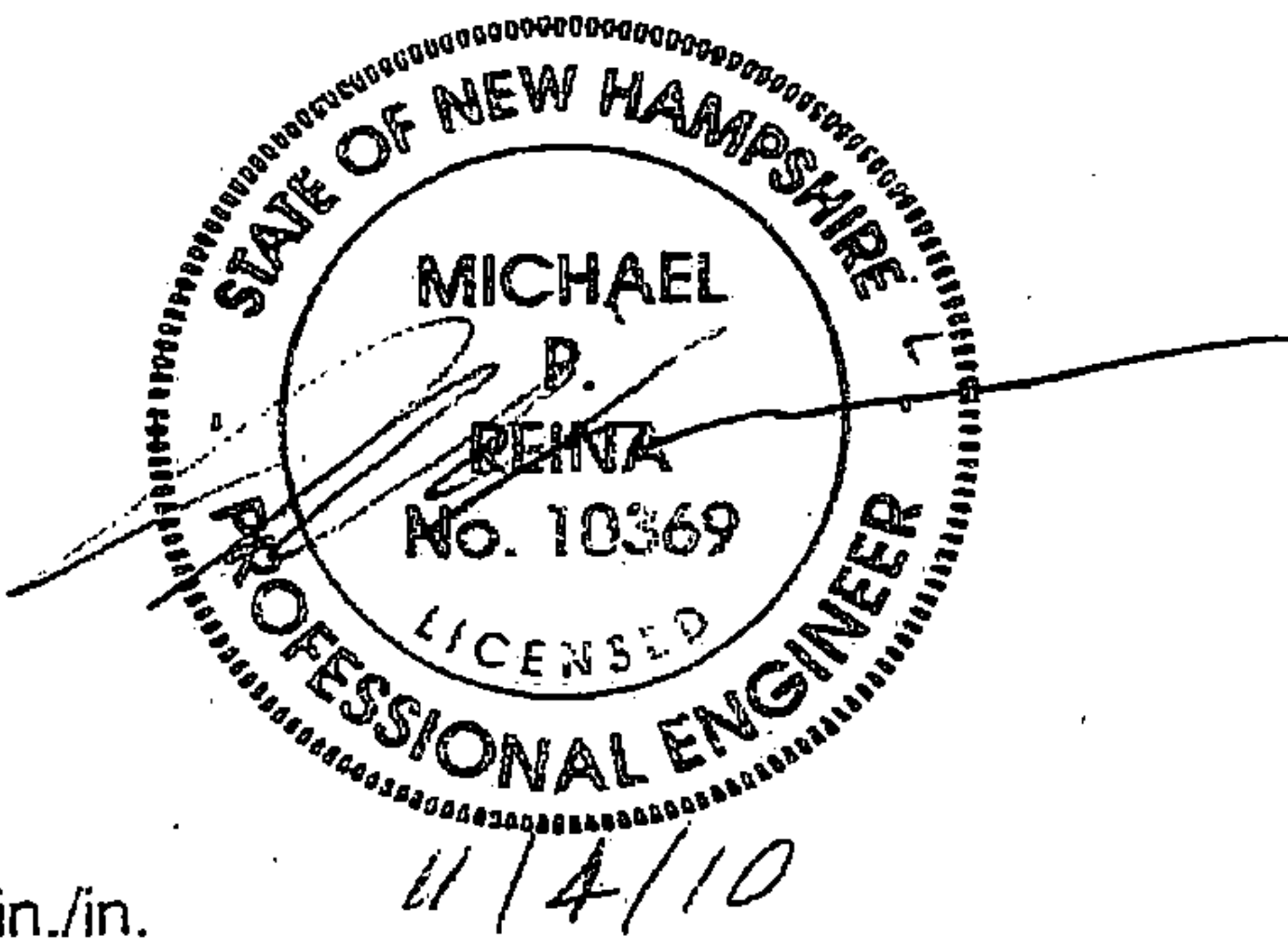
Main Bars Parallel to Traffic

For Span Lengths <= 120 Inches

LRFD 4.6.2.1.8 - 3 Moment = $C * 0.73 * D^{0.123} * L^{0.64} = 10.35741$ kip-in./in.

For Span Lengths > 120 Inches

LRFD 4.6.2.1.8 - 4 Moment = $C * (D^{0.138} * (3.1 * L^{1.429} - 1088.5) / L) = 4.016243$ kip-in./in.



176 PRE FAB DECK PANELS