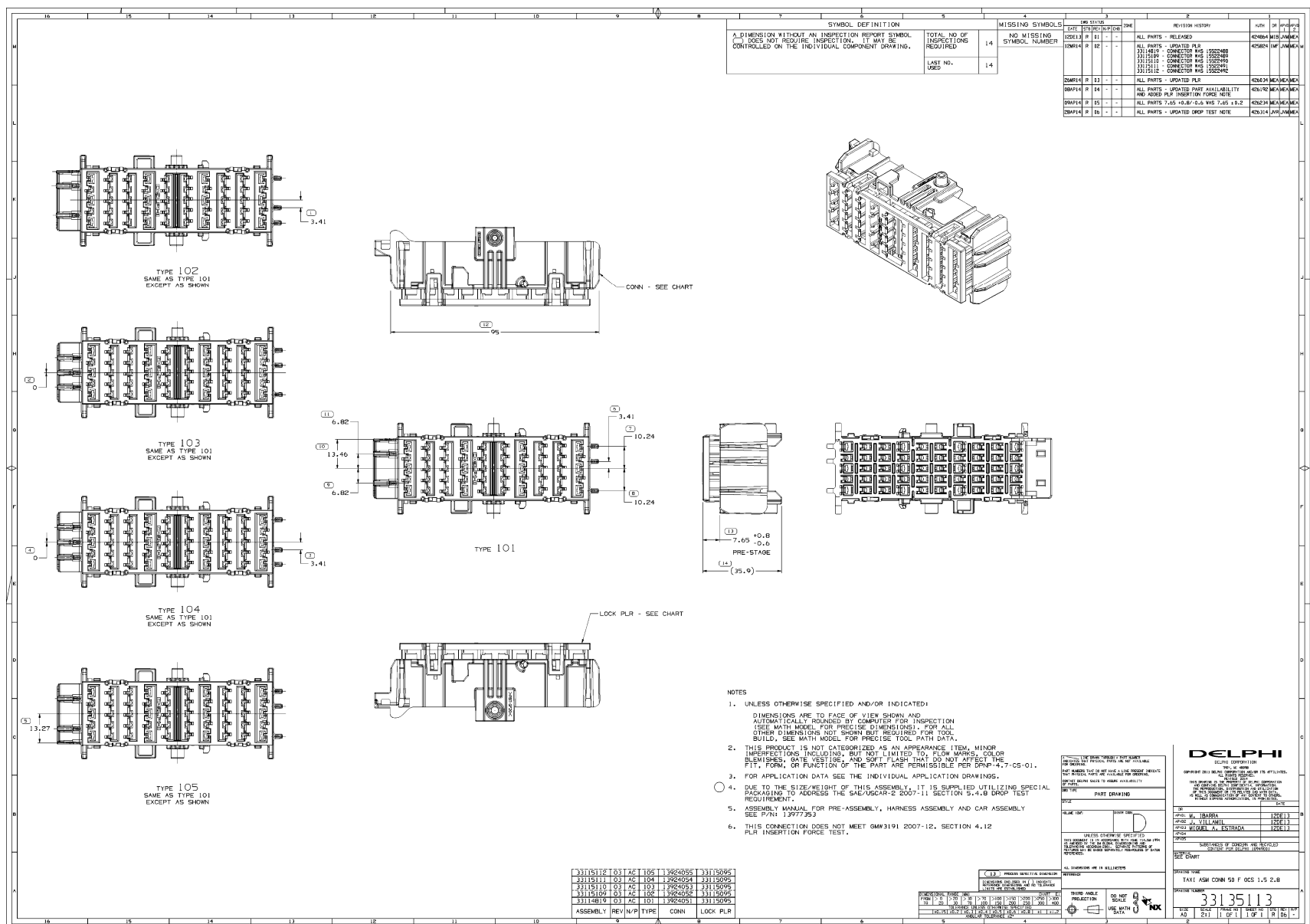



$$\frac{\partial \ln L}{\partial \theta} = \sum_{i=1}^n \left( \frac{y_i - \mu(\theta)}{\sigma^2(\theta)} - \frac{\eta'(\theta) y_i}{\sigma^2(\theta)} \right)$$