Table 3-4 Summary of Four-Bolt Flush Stiffened Moment End-Plate Analysis (Stiffened <u>Between</u> the Tension Bolt Rows)

Geometry	Yield-Line Mechanism	Bolt Force Model
$\begin{array}{c c} & & & & & & & \\ & & & & & & \\ & & & & $	h h_1 h_2	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
End-Plate Yield		
Bolt Rupture w/Prying Action	$\phi M_n = \phi M_q = \int_{\text{max}} \left[\phi \left[2(P_t - Q_{max})(d_1 + d_2) \right] \right] \qquad \phi = 0.75$	
Bolt Rupture No Prying Action	$\phi M_n = \phi M_{np} = \phi [2(P_t)(d_1 + d_2)]$ $\phi = 0.75$	