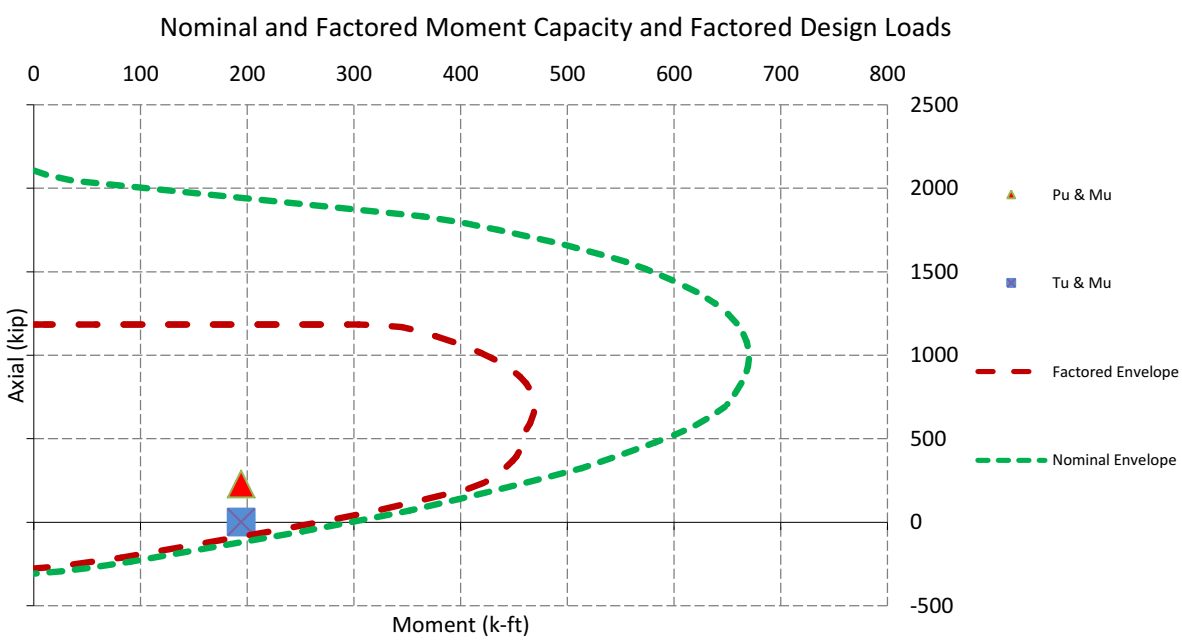
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 11/27/17

Pad Strength Capacity

β:	0.85	ACI318-05 - 10.2.7.3
Lower Pad Flexural Reinforcement Ratio:	0.0046	OK - Minimum Reinforcement Ratio Met - ACI10
Upper Pad Flexural Reinforcement Ratio:	0.0000	OK - Minimum Reinforcement Ratio Met - ACI10
Lower Pad Flexural Reinforcement Spacing:	13	in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 1
Upper Pad Flexural Reinforcement Spacing:	0	in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
One Way Design Shear (V_u):	75.2	k
One Way Shear Capacity (ϕV_c):	162.2	k - ACI318-05 - 11.3.1.1
V_u / ϕV_c:	0.46	Result: OK
Punching Design Shear (V_u):	288.0	k
Nominal Punching Shear Capacity ($\phi_c V_n$):	467.8	k - ACI318-05 - 11.12.2.1
V_u / ϕV_c:	0.62	Result: OK
Flexural Loading Due to Soil Pressure (M_u):	201.0	k-ft
Lower Steel Pad Moment Capacity (ϕM_n):	536.7	k-ft - ACI318-05 - 10.3
M_u / ϕM_n:	0.37	Result: OK
Flexural Loading Due to Uplift (M_u):	0.0	k-ft
Upper Steel Pad Moment Capacity (ϕM_n):	0.0	k-ft - ACI318-05 - 10.3
M_u / ϕM_n:	0.00	Result: OK

Pier Strength Capacity

Design Moment (M_u):	0.5	k-ft
Nominal Moment Capacity ($\phi_B M_n$):	315.5	k-ft - ACI318-005 - 10.2
$M_u/\phi_B M_n$:	0.00	Result: OK
Design Shear (V_u):	0.6	k
Nominal Shear Capacity ($\phi_V V_n$):	199.9	k - ACI318-05 - 11.3.1.1 or 11.5.7.2
$V_u/\phi_V V_n$:	0.00	Result: OK
Design Tension (T_u):	0.0	k
Nominal Tension Capacity ($\phi_T T_n$):	190.1	k - ACI318-05 - 10.2
$T_u/\phi_T T_n$:	0.00	Result: OK
Design Compression (P_u):	351.5	k
Nominal Compression Capacity ($\phi_P P_n$):	2394.8	k - ACI318-05 - 10.3.6.2
$P_u/\phi_P P_n$:	0.15	Result: OK
Pier Reinforcement Ratio:	0.002	Reinforcement Ratio under required values - ACI318-05 - 10.8.4
$M_u/\phi_B M_n + T_u/\phi_T T_n$:	0.00	Result: OK