3 Tension load

	Load N_{ua} [lb]	Capacity ϕ N_n [lb]	Utilization $\beta_N = N_{ua}/\phi N_n$	Status
Steel Strength*	1,450	8,433	18	OK
Pullout Strength*	N/A	N/A	N/A	N/A
Concrete Breakout Failure**	2,900	2,832	103	not recommended

* highest loaded anchor **anchor group (anchors in tension)

UNCRACKED

4 Shear load

	Load V_{ua} [lb]	Capacity ϕ V_n [lb]	Utilization $\beta_V = V_{ua}/\phi V_n$	Status
Steel Strength*	1,250	3,599	35	OK
Steel failure (with lever arm)*	N/A	N/A	N/A	N/A
Pryout Strength**	2,500	3,049	82	OK
Concrete edge failure in direction y+**	2,500	3,149	80	OK

* highest loaded anchor **anchor group (relevant anchors)

UNCRACKED

3 Tension load

	Load N_{ua} [lb]	Capacity ϕ N_n [lb]	Utilization $\beta_N = N_{ua}/\phi N_n$	Status
Steel Strength*	1,450	8,433	18	OK
Pullout Strength*	N/A	N/A	N/A	N/A
Concrete Breakout Failure**	2,900	4,038	72	OK

* highest loaded anchor **anchor group (anchors in tension)

CRACKED

4 Shear load

	Load V_{ua} [lb]	Capacity ϕ V_n [lb]	Utilization $\beta_V = V_{ua}/\phi V_n$	Status
Steel Strength*	1,250	3,599	35	OK
Steel failure (with lever arm)*	N/A	N/A	N/A	N/A
Pryout Strength**	2,500	4,348	58	OK
Concrete edge failure in direction y+**	2,500	2,249	112	not recommended

* highest loaded anchor **anchor group (relevant anchors)

CRACKED