

Table D.4.1.1 Required strength of anchors		Condition		PAGE
Steel strength in tension (D.5.1)	$\phi N_{sa} \geq N_{ua,i}$ $(0.7) \times 1404.9 \geq 10,535 \text{ lbf}$	Pass by being the limiting design Criteria		6
Concrete Breakout strength in tension (D.5.2)	$\phi N_{cbg} \geq N_{ua,g}$ $(0.7) \times 38484 \geq 26938 \text{ lbf}$	Pass 1.28	21070 26938	7-9
Pull out strength in tension (D.5.3)	$\phi N_{pn} \geq N_{ua,i}$ $(0.7) \times 1404.9 \geq 10,535 \text{ lbf}$	Field Test		10
Concrete Side Face Blowout (D.5.4)	$\phi N_{sbg} \geq N_{ua,g}$	Applies only to headed studs		10
Bond Strength of adhesive anchor in tension (D.,5.6	$\phi N_{ag} \geq N_{ua,g}$	Applies to Bonded Anchors Only		10
Steel Strength in Shear (D.6.2)	$\phi V_{sa} \geq V_{ua,i}$ $(0.6) \times 8429 \geq 6322 \text{ lbf}$	Pass 20.73	610 12644	10-11
Concrete break out in Shear (D.6.2)	$\phi V_{cbg} \geq V_{ua,g}$ $(0.65) \times 8197 \geq 5328 \text{ lbf}$	Pass 17.47	610 10656	11-12
Concrete Pryout in sheer (D.6.3)	$\phi V_{cpg} \geq V_{ua,g}$ $(0.65) \times 21070 \geq 13695 \text{ lbf}$	Pass 22.45	610 13695	13

REBAR PLAN 14

LIGHT POLE
DETAIL 15