

CONCRETE PRYOUT STRENGTH IN SHEAR D.6.3

$$V_{c9} = K_{cp} N_{cb} \quad (D-41)$$

$$K_{cp} = 2.0 \quad \text{FOR hRF} \geq 2 \text{ in}$$

$$N_{cb} = N_{cb} = 10,535 \text{ Lbf}$$

$$V_{cp} = 2 (10,535)$$

$$V_{cp} = 21,070$$

$$\phi V_{cp} \geq V_{u9}$$

$$\phi = .65 (21,070) \geq V_{u9}$$

$$13,695 \text{ Lbf} \geq V_{u9}$$

PASS

EXPECTED V_{u9} MARK
610 Lbf