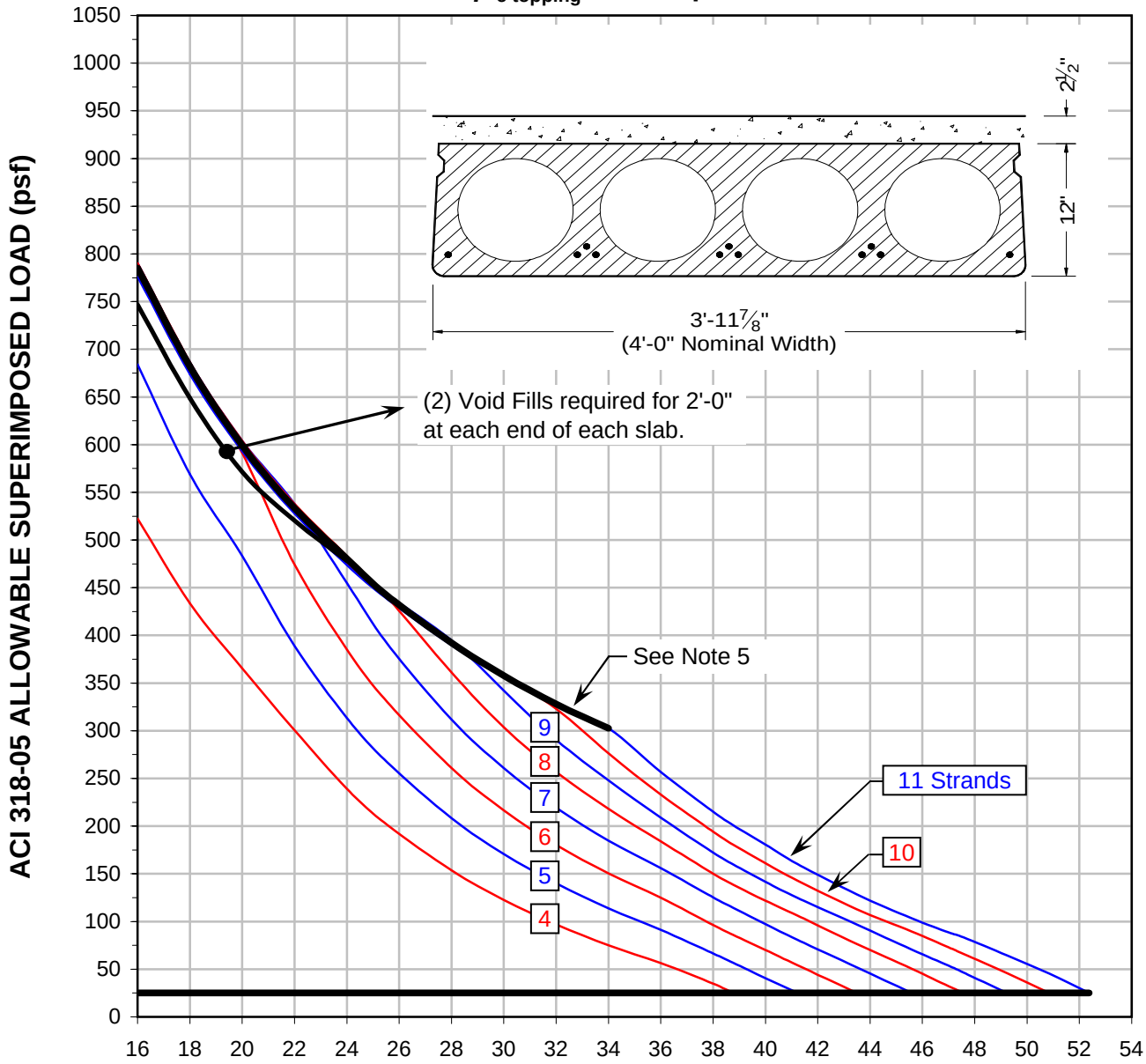
12" HOLLOW CORE SLAB

COMPOSITE WITH 2½" CONCRETE TOPPING

$f'_{c\ topping}$ = 4,000 psi



COMPOSITE SECTION PROPERTIES (with shear key grouted)

I_c =	8,656	in^4	S_{tc} =	1,844	in^3	S_{bc} =	1,140	in^3	S_{if} =	1,965	in^3
w =	111	psf	y_{tc} =	6.90	in	y_{bc} =	7.60	in	y_{if} =	4.40	in

NOTES:

1. The values given in this chart are in compliance with ACI 318-05.
2. The values given in this chart are based on hollow core slabs without shear reinforcement. See SHEAR for discussion.
3. Refer to DEFLECTIONS for discussion of deflection criteria.
4. This Span-Load Chart is intended as an aid to preliminary sizing only, and must be interpreted using sound engineering judgment.
5. Interface shear governs the design of composite topped hollow core slabs above this line.