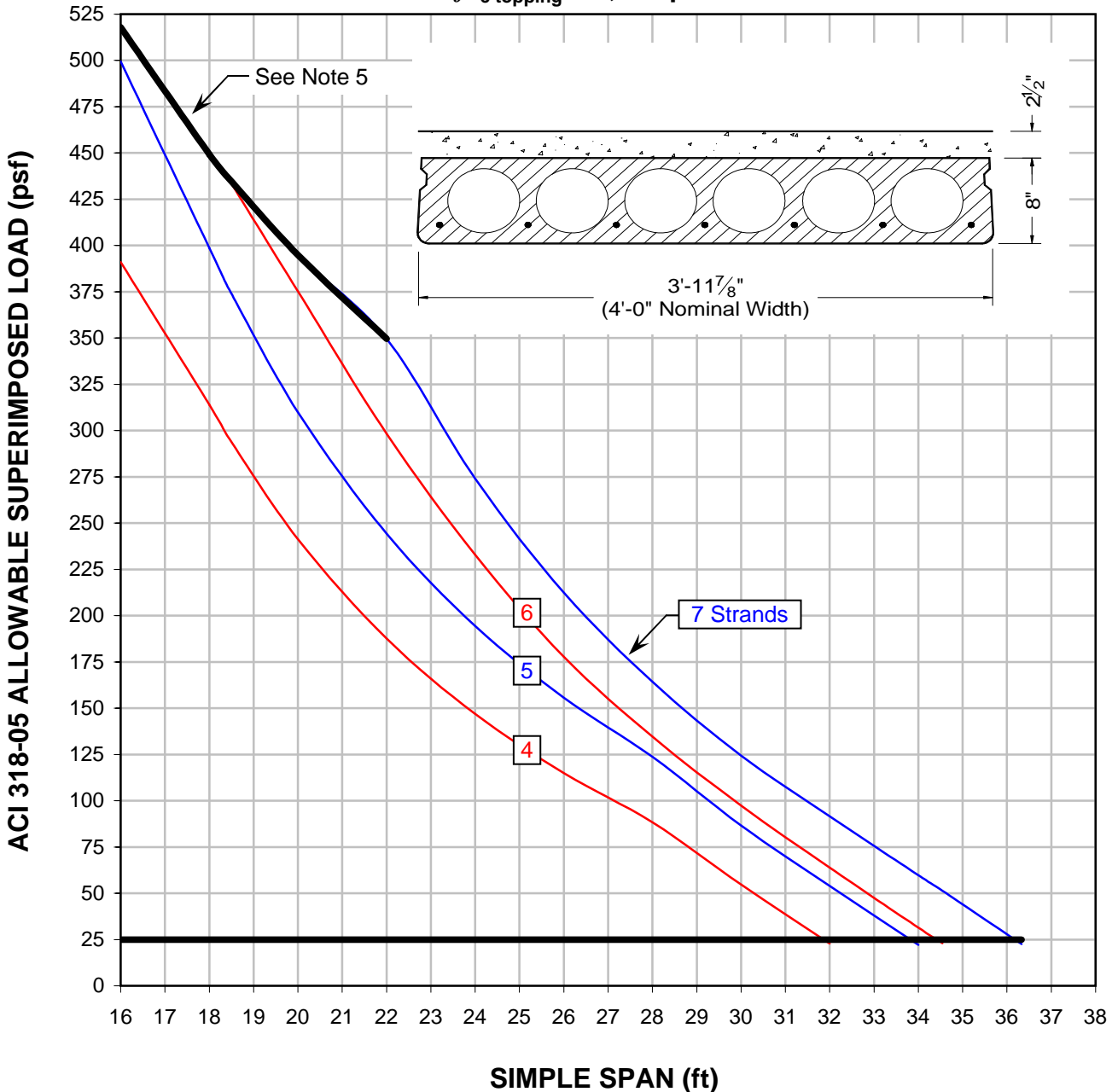




8" HOLLOW CORE SLAB COMPOSITE WITH 2½" CONCRETE TOPPING

f'_c topping = 4,000 psi



COMPOSITE SECTION PROPERTIES (with shear key grouted)

$I_c = 3,336 \text{ in}^4$	$S_{tc} = 972 \text{ in}^3$	$S_{bc} = 612 \text{ in}^3$	$S_{if} = 1,308 \text{ in}^3$
$w = 90 \text{ psf}$	$y_{tc} = 5.05 \text{ in}$	$y_{bc} = 5.45 \text{ in}$	$y_{if} = 2.55 \text{ in}$

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.