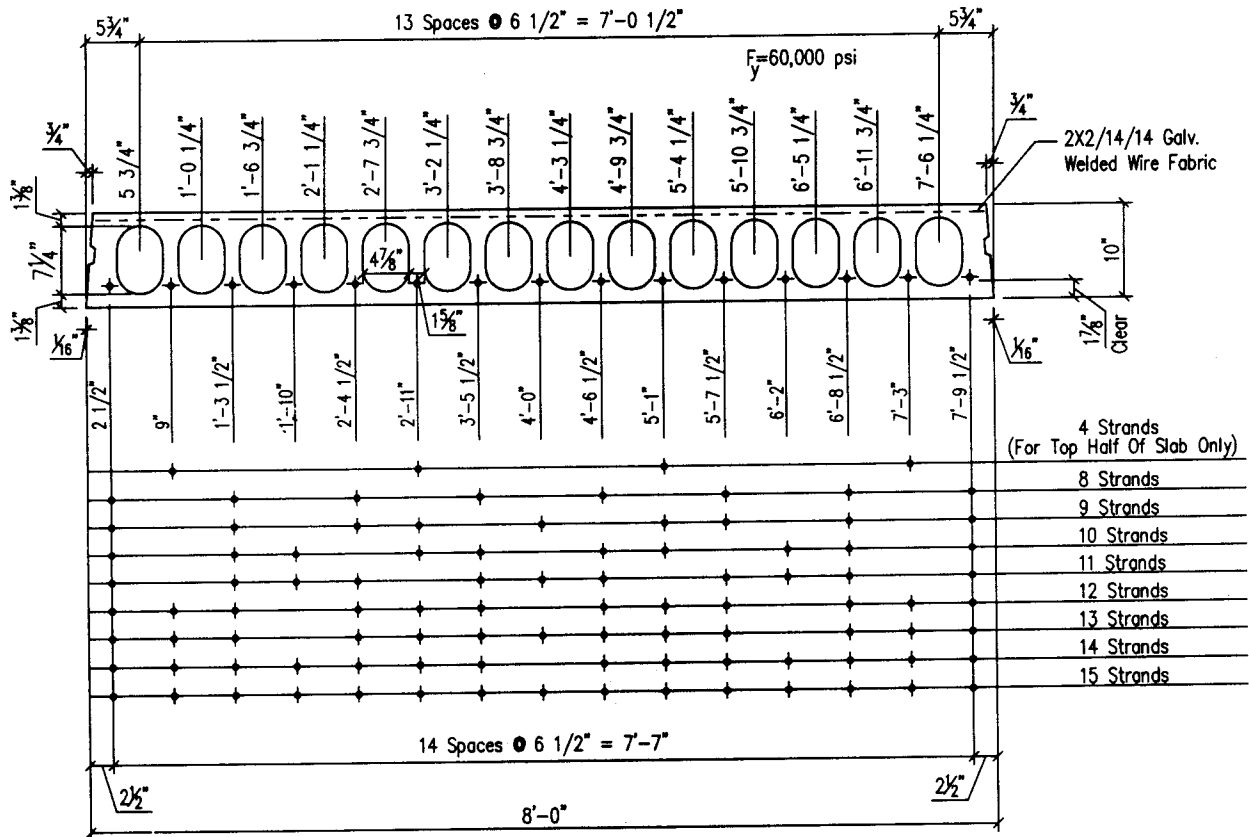


8'-0" x 10" HOLLOW-CORE SLAB SECTION AND PROPERTIES



HOLLOW-CORE SLAB ONLY

$A = 595.5 \text{ in}^2$ $Wt. = 75 \text{ psf}$
 $I = 6422 \text{ in}^4$ $b = 27.21 \text{ in}$
 $Y_t = 5.04 \text{ in}^3$ $Y_b = 4.96 \text{ in}$
 $Z_t = 1274 \text{ in}^3$ $Z_b = 1295 \text{ in}^3$
 Volume of grout = $159 \text{ in}^3/\text{LF}$ of joint
 Wt. of grouted slab in place = 76.7 psf
 f'_c slab = 5500 psi f'_c grout = 3500 psi

HOLLOW-CORE SLAB W/ 2" TOPPING

$I = 11637 \text{ in}^4$
 $Y_b = 6.56 \text{ in}$
 $Z_t = 2139 \text{ in}^3$ $Z_b = 1773 \text{ in}^3$
 Wt. of topped slab in place = 101.7 psf
 f'_c topping = 3500 psi