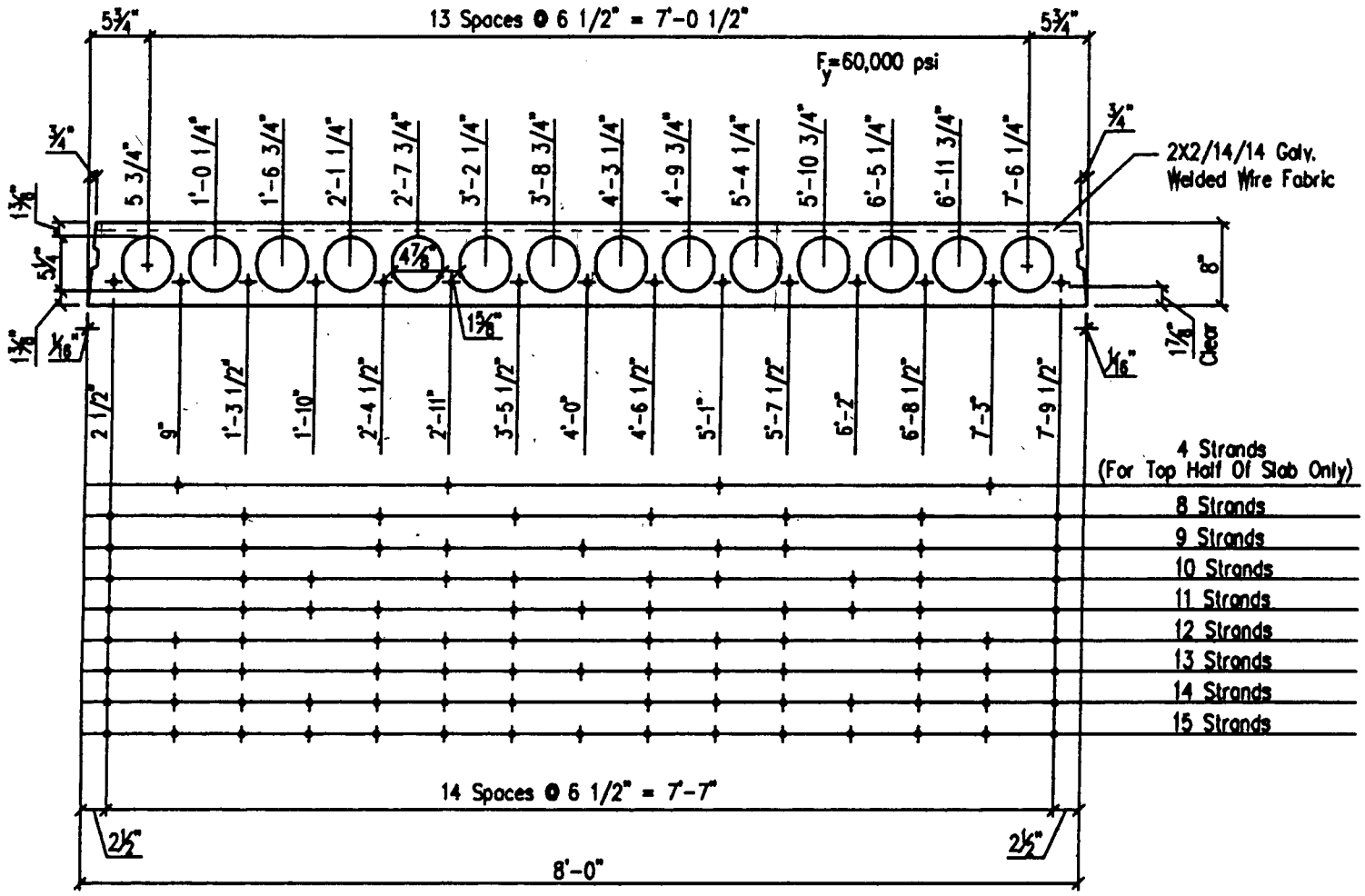
8'-0"X8" HOLLOW-CORE SLAB
SECTION AND PROPERTIES



HOLLOW-CORE SLAB ONLY

A = 470 in^2 Wt. = 61.2 psf
I = 3525 in^4 b = 27.75 in
Y_t = 4.04 in Y_b = 3.96 in
Z_t = 873 in^3 Z_b = 890 in^3
Volume of grout = 127 in per L.F. of joint
Wt. of grouted slab in place = 62.6 psf
f'c slab = 5500 psi f'c grout = 3500 psi

HOLLOW-CORE SLAB W/ 2" TOPPING

I = 6620 in^4
Y_t = 4.76 in Y_b = 5.24 in
Z_t = 1392 in^3 Z_b = 1262 in^3

Z @ bottom of topping = 2402 in^3
Wt. of topped slab in place = 87.6 psf
f'c topping = 3500 psi