

# DESIGN LOADS

The engineer of record and the architect of record should specify the joist depth, slab thickness, mesh size and the design loads (dead, live and total load together with special point loads where applicable).

For maximum economy, the Hambro composite joist will be designed to specifically meet these loading requirements. Live load deflection will be limited to  $L / 360$ .

Example of Joist Identification:

$$\text{Joist Depth} = 16 \text{ in.}$$

$$\text{Live Load} = 40 \text{ lbs. / sq. ft.}$$

$$\text{Dead Load} = 60 \text{ lbs. / sq. ft.}$$

$$\text{Total Load} = 100 \text{ lbs. / sq. ft.}$$

Designate joist as H16/410

$$410 = 100 \text{ psf} \times 4.1 \text{ ft. (spacing)}$$

Or simply: H16 with the live, dead and total loads clearly listed on the framing plans.