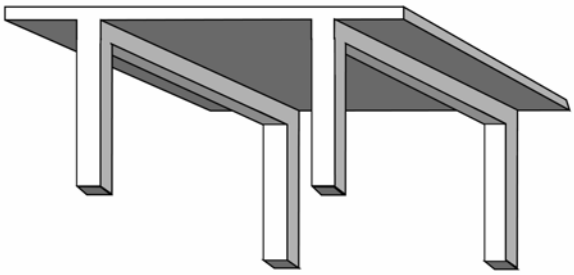
BEAM & SLAB PARKING SYSTEMS



Usually BEAM & SLAB systems are recommended only for special applications, as there are often more cost-effective alternatives. One of the special applications is the long-span, post-tensioned beam and slab system that is popular for column-free, free-standing parking structures.

Ceco MEGA STEEL BEAM SYSTEM

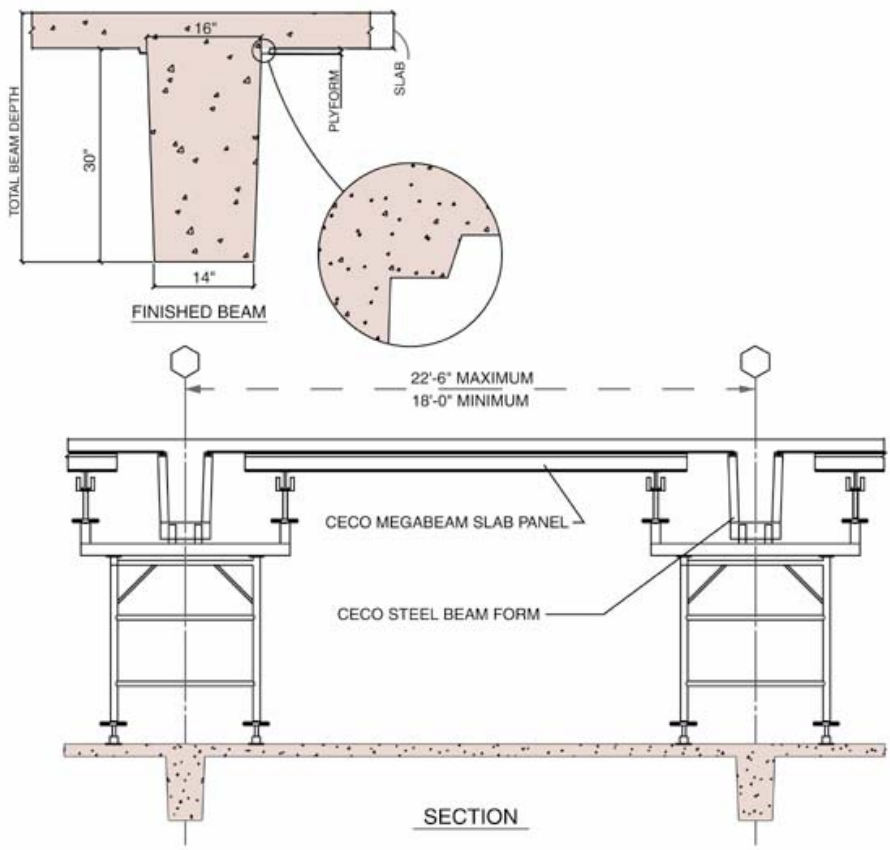
Ceco's MEGA STEEL BEAMform is the primary component for the BEAM & SLAB PARKING SYSTEM.

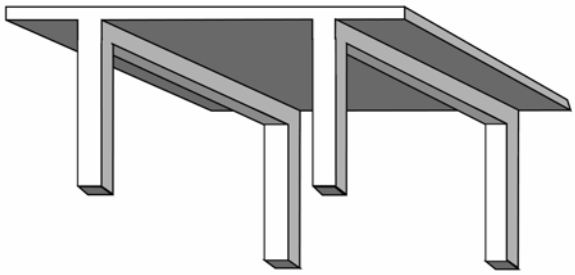
Ceco's MEGA STEEL BEAMform is built with either a 14" fixed or 16" split-bottom width and 30" beam side depth. The fixed width eliminates the seam in the soffit, while the split-bottom allows for adjustability in form width by adding fillers. Both Shoring & Reshoring of slabs are eliminated when using this system.

Slab soffits are formed utilizing Ceco's aluminum MEGA BEAM and plyform. Panels are fabricated capable of free spanning from beam side to bead side (up to 21' 2"). The finish produced is smooth and even-colored complimenting the MEAGE STEEL BEAMform finish.

Ceco STEEL BEAM SYSTEM

Ceco's standard STEEL BEAMforms accommodate beam widths of 14 to 24 inches and beam side depths of 27 to 31 inches. Soffit width adjustability is achieved by splitting the soffit to add filers to increase the width. Adding form increments to the top or build-ups in the soffit can modify beam depth.

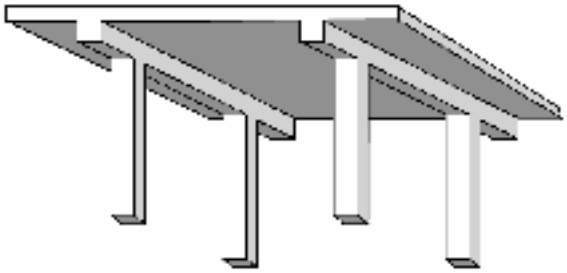




BEAM & SLAB PARKING SYSTEMS

Slab soffits can be handset or made into panels. Using either method, more shoring and reshoring will be required than the MEGA BEAM system. Both beam-forming systems will produce a smooth concrete finish without through ties.

Typical Beam forms (up to 60') along with eight-foot wide slab panels can be easily installed and removed with the aid of mechanical equipment, which reduces the number of construction workers required, and does so while minimizing crane requirements.



BEAM & SLAB HANDSET SYSTEM

BEAM & SLAB construction is generally the most expensive framing method due to the hight material and labor cost involved. Maintaing a constant beam depth throughout the project can minimize costs. For instance, where spans or loads require added capacity, increase the beam width instead of the depth.

For parking structures that can't accommodate Ceco's MEGA STEEL BEAMform or standard STEEL BEAMform system, beam framing systems are available that will accommodate other beam widths and depths. Repetition of beams sizes and bay spacing are the key to minimizing cost.