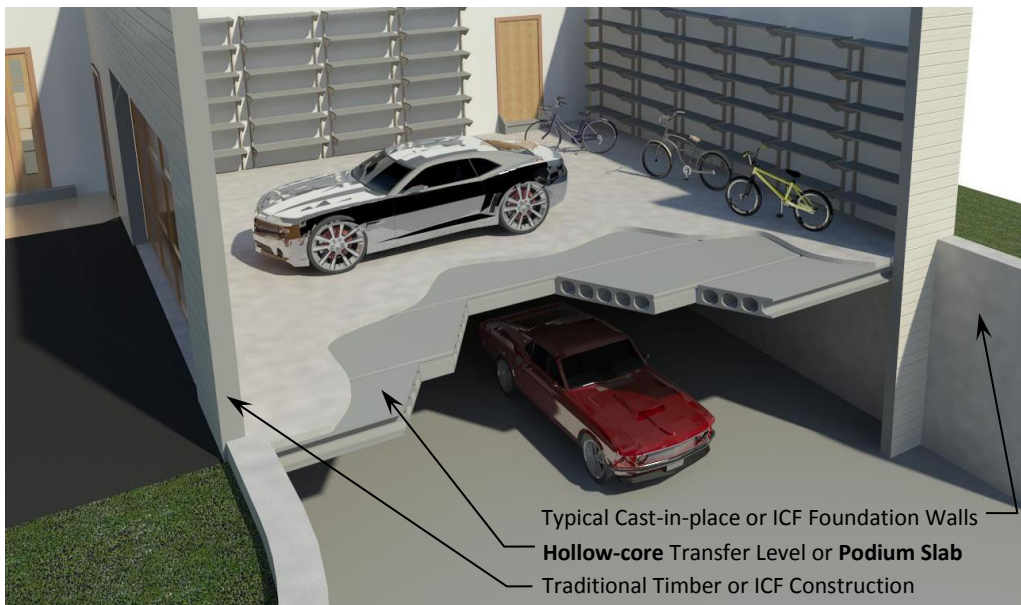


Single Family Podium Construction Precast Solutions

In single family residential structures, a typical garage floor can be converted to a Hollow-core floor to increase the living space below. In most cases, the Hollow-core floor is able to clear span from foundation wall to foundation wall allowing interior columns or bearing walls in the basement to be removed. This Hollow-core level can act as a Podium Slab, where loading from the wood frame construction above can be transferred directly into the foundation walls. These slabs offer high fire ratings, reduced sound transmission, as well as reduced vibrations between living areas. In addition, the ceiling surface is flat and paint ready.

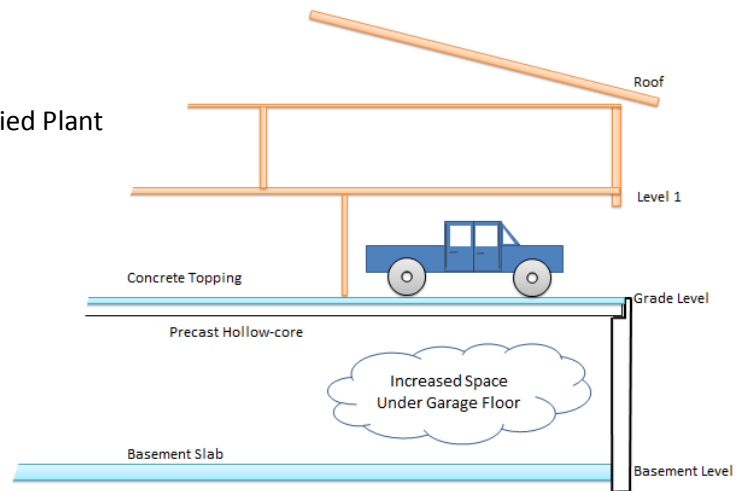


- Prestressed Hollow-core floor members also offer these distinct advantages over other structural floor materials: Hollow-core is fast and simple to install – a typical single-family home floor can be set in a day.
- Hollow-core can be used to support multiple floor and wall loads from above.
- Hollow-core is ideal for suspended garage floors, allowing the typically unused space below the garage floor to be turned into living space.
- Hollow-core provides long, clear spans over a basement, eliminating interior partitions and construction materials.
- Hollow-core can be installed with cast-in-place foundation walls, ICF construction, or on structural steel frame construction.



Precast Podium Slabs

- Premium Quality – Manufactured in a PCI Certified Plant
- High Fire Ratings and Fire Confinement
- Flexibility for Mechanical Penetrations
- Flat Ceiling with Paintable Surface
- Acoustical Control and Separation
- Durable with a Long Service Life
- Heavy Load Carrying Capacity
- Increased Living Area
- Shallow System Depth



Typical Hollow-core Facts:

- Hollow-core is typically 8" or 10" thick
- With uniform loading,
- 8" thick Hollow-core can span about 30'-0" – depending on topping conditions
- 10" thick Hollow-core can span about 40'-0" – depending on topping conditions
- The product is installed and the joints are grouted by EnCon or the units can be purchased FOB Jobsite
- Field applied topping is normally 2 ½" to 3" thick and installed by the General Contractor
- In garage applications, the topping is typically installed over a waterproof membrane
- Field installed holes for mechanical equipment, plumbing, and electric is quite commonly installed by the associated trade with the approval of EnCon
- Larger openings can be accommodated with steel headers that are supplied and installed by EnCon

