

BauHollowfloor

The BauHollowfloor is made of crossing BauLadders or BauSpaceFrame. The void is used to both distribute conditioned air and as a return air plenum. Significant energy savings can be achieved using the well known “fly-wheel” effect of concrete for storage of thermal energy. With the increasing cost of energy, the payback period for BauHollowfloors is very short.

By reducing the dead load of the concrete floors, both the gravity loads and earthquake lateral forces are reduced.

The gravity loads and lateral forces are transferred from the floor slab into the column by a BauShearhead, which is solid.

Even the column strip is voided at mid-span. The slab column strip and BauColumn can act as a BauFrame to resist gravity and lateral forces for low-rise buildings.

