POST CONSTRUCTION

STRUCTURAL MODIFICATIONS & SUPPLEMENTS

BEAM SUPPORT PERPENDICULAR TO BEAMS (LOOKING UP)

JOISTS REINFORCED WITH CARBON FIBER REINFORCING (LOOKING UP)
POST CONSTRUCTION

STRUCTURAL MODIFICATIONS & SUPPLEMENTS (CONTINUED)

JOISTS REINFORCED WITH CARBON FIBER REINFORCING

COLUMN AND/OR WALL ADDITIONS
POST CONSTRUCTION

STRUCTURAL MODIFICATIONS & SUPPLEMENTS (CONTINUED)

GRILLAGE DETAIL WITH RAILS PARALLEL TO BEAMS GRILLAGE
Locate rails on top of grillage (rails not shown).

JOISTS REINFORCED WITH REINFORCING STEEL AND CARBON FIBER REINFORCING (LOOKING UP)

- Carbon fiber strip added for negative moment tensile reinforcement
- Carbon fiber wrap added for shear reinforcement
- Reinforcing steel added for positive moment tensile reinforcement
- Epoxy concrete cover
- Existing joist
- Reinforcing steel
- Epoxy concrete cover
SUSPENDED SYSTEMS
Suspension systems employ shop-fabricated overhead beams bolted in the field and connected to existing building columns. Suspension hangers are dropped from these beams to carry the load, thereby transferring the weight of the mobile system to the existing columns. Overhead beams are fabricated in sections with moment connections to simplify erection and delivery into the building through existing doors and elevators.