



L.F. Driscoll Co., LLC
Construction Management

SUCCESSFUL COMPLETION OF TWO MID RISE GIRDER-SLAB PROJECTS



COMPOSITE STEEL AND PRECAST SYSTEM

**READ WHAT THE JOB SITE
SUPERINTENDENTS HAVE TO SAY**

Temple University Mitchell & Hilarie Morgan Hall

Philadelphia, PA



Brian Cook

Girder-Slab was an excellent solution for our fast paced project. I would strongly recommend its use in the future. The erection speed was phenomenal.

We averaged 80 pieces of precast slabs a day, 9,600 sf. One crew of ironworkers simultaneously erected the steel and plank, two floors of steel followed by the plank. Roughly 40,000 sf of "ungROUTED" steel and plank a week. Maybe half of that grouted in a

week. We averaged 20,000 sf of fully finished steel and plank every week. We stayed right on this very aggressive schedule. We originally thought about the need for two cranes and two erection crews but our erector (JL Erectors) told us it would not be necessary. They were right.

Our fabricator Berlin Steel, supplied all the steel, plank, erection and grouting. They did a great job. They prefabricated the grout pour stops and welded them to the columns in the shop. Berlin, Bocella Precast and their consultant Dave Hill properly coordinated all the exterior wall attachments to the precast slab.

We received four competitive bids on this job. This job was 295,000 sf, 10 stories and erected in about 18 weeks, excluding some conventional steel and metal deck floors at the lower elevations. L.F. Driscoll is actually running three jobs on the same site at Temple.



The two larger residential buildings are around 300,000 sf, give or take 10,000 sf. One is 27 story cast in place concrete, and Girder-Slab is 10 story. The cast in place job started two months earlier but Girder-Slab finished one month sooner.

Architect - MGA Partners Architects, Philadelphia, PA

Structural Engineer - CVM Structural Engineers, Oaks, PA

Homewood Suites at The University of Pennsylvania

Philadelphia, PA



Dave Rhoda

I was pleased with how the Girder-Slab System worked out and would definitely recommend it for future residential buildings.

The typical residential floors went fine. The structural steel fabricator Samuel Grossi & Sons supplied and erected all the structural steel, the solid and hollow core precast concrete slabs and the grouting.

Some of the openings required by the building's mechanical system were field cut after plank erection. Ideally, this coordination should get to the precast manufacturer before casting. However, this is not

always entirely possible with schedule demands. The residential Girder-Slab floor construction went well, erected quickly and helped with our schedule.

A lesson learned, make sure pour stops are included around all columns for grout and always remember to have the steel fabricator and his detailer work closely with the structural engineer and precast supplier to properly coordinate location of plumbing shafts, and check for clearances around columns & braced frames.



*Campus Apartment's Homewood Suites
Opened on May 1, 2012*

Architect - Alesker and Dundon Architects, Philadelphia, PA
Structural Engineer - David Chou & Associates, Blue Bell, PA