

INTEGRASPEC[®]

"The User Friendly ICF"



FEATURE PROJECT



Project: Comfort Inn and Suites Hotel, Tifton, Georgia

Engineer: Truman P. Young and Associates, Cincinnati, Ohio

ICF Pros: Tom Boardman (GA); Eldon Howe (MI); Bob Duren (FL); Scott Woulf (WI) Mark Ross (OH/CAN)

Owner: Williams Investment Company, Adel, Georgia

Features: 110 unit, four storey hotel. Speedfloor concrete composite floors. Exterior walls 6" IntegraSpec[®] ICF reinforced concrete core and 5" concrete core interior demising/load bearing walls. IntegraBucks used for window and door openings. Stucco exterior.

Benefits: Fast accurate construction without an on site crane. Twelve man crew completed: reinforced concrete walls with foam board stucco ready; super insulated, strapped/furred ready for sheetrock, vapour barrier, and air barrier; reinforced concrete composite Speedfloor monolithic pour with interior IntegraSpec[®] walls; in twelve weeks at a lower cost than block and plank construction! Stucco applied directly to IntegraSpec[®] panels with no control/expansion joints, which are mechanically attached to the reinforced core via dovetail grooves on the inside/concrete face. Unique IntegraBuck system with 1 $\frac{5}{8}$ " furring strips ensures a single material substrate for extended stucco warranties. Quiet accommodation for all guests notwithstanding proximity to I-75. IntegraSpec[®] and Speedfloor combination meets and exceeds all fire codes. IntegraSpec[®] exterior panels require no additional bulkheading for Speedfloor concrete placement.

"IntegraSpec, Speedfloor, and the stucco exterior was a dramatic and successful combination of concrete technologies. We trusted IntegraSpec's legendary strength three and four storeys up with no shoring, and were not disappointed once! We poured the Speedfloor decks and IntegraSpec interior walls simultaneously, utilizing 2 $\frac{1}{2}$ " vibrators with no adverse effects on the formwork. The five foot tower on the fourth storey roof was poured prior to the Speedfloor roof deck! In a single 10 hour day, our 12 man crew poured over 1,500 lineal feet of 9'6" tall walls AND 14,000 square feet of flat work; that's almost 400 yards of concrete!! This truly independent panel form shores itself...an impossible feat with any block system. IntegraSpec self aligned so well, the building is within $\frac{1}{4}$ " \pm tolerances plumb, level, and in plane over the entire structure, FAR MORE ACCURATE THAN ANY CONCRETE FORMING SYSTEM ON THE MARKET. This was an unprecedented feat for ICFs and concrete construction. After fifteen years of ICF research and construction, and having installed well in excess of a thousand projects utilizing well over 30 different ICF brands, we proudly displayed the versatility, speed, and strength of IntegraSpec ICF!"

*- Mark Ross B.Sci. - President,
Power Smart Building*

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