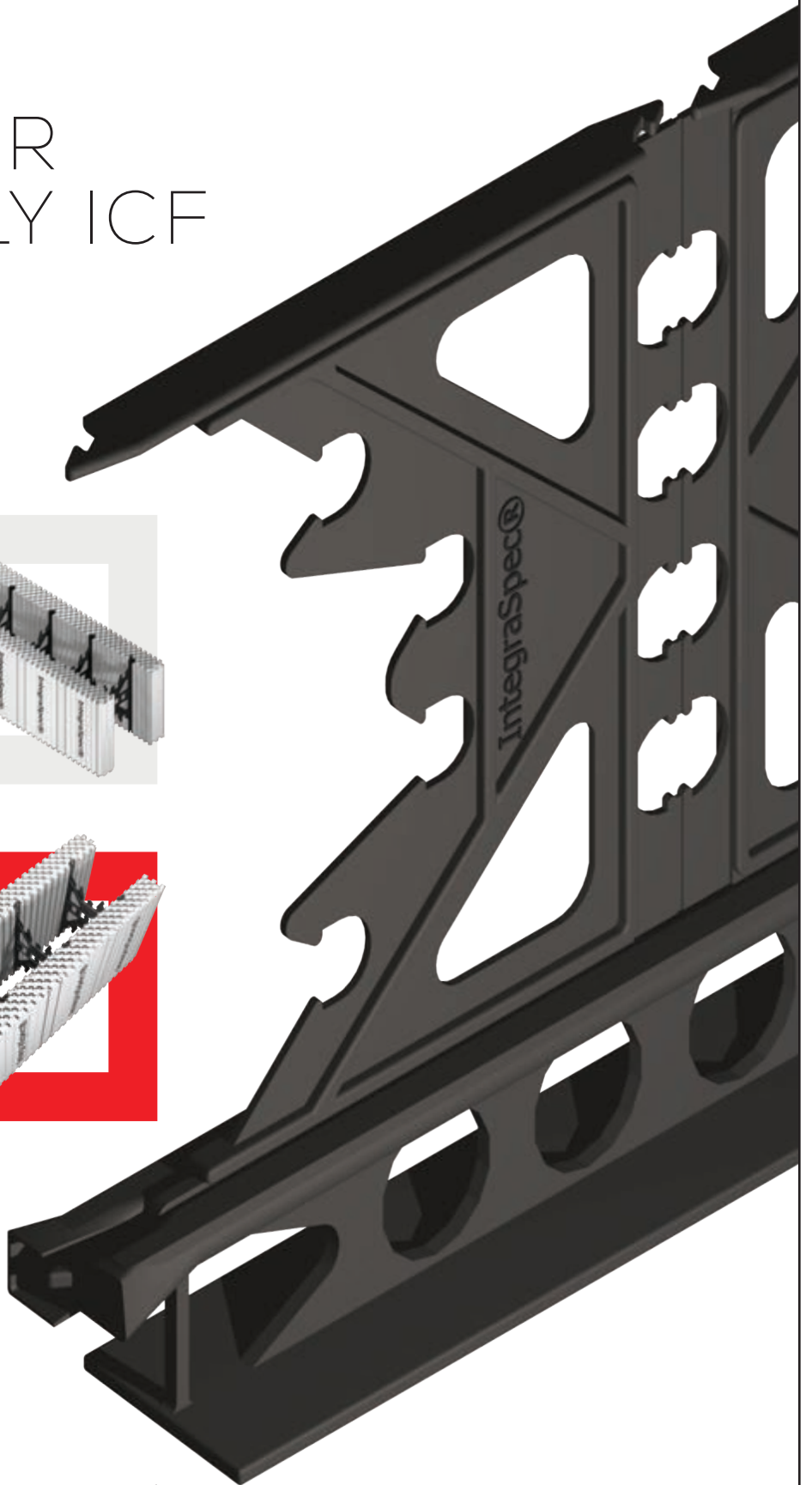
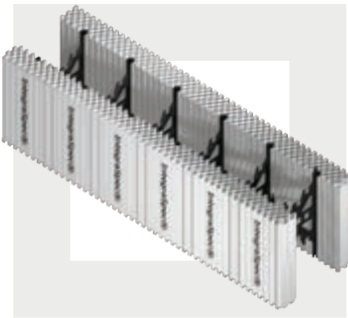




IntegraSPEC®

I C F B U I L D I N G S Y S T E M

THE USER FRIENDLY ICF



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FEATURE PROJECT



PROJECT: Alert Care "Conservatory Pond" Kingston, Ontario

GENERAL CONTRACTOR: Succession Development Group Toronto, Ontario

ARCHITECT: Fabian Architects Ltd. Burlington, Ontario

ICF SUPPLIER/INSTALLER: Insulated Concrete Solutions Kingston, Ontario

FEATURES: This 77,000 ft² seniors' residence used 6" IntegraSpec® around the full exterior and select interior demising walls with 8" IntegraSpec® for the interior corridor walls on all three levels 30' above grade. All windows and a/c openings are finished with IntegraBucks and IntegraHeaders, while the doors were preset prior to concrete placement to meet strict fire code regulations.

BENEFITS: The General Contractors were offered a more complete package - including IntegraSpec®'s unique EPS finished openings, flexibility for preset doors, and an Exposed Concrete Face (ECF), which met the requirements for non combustible construction in commercial application as used for the elevator shafts. IntegraSpec® provided solutions to onsite design changes and easily handled severe winter weather conditions. Once complete, IntegraSpec® delivered a quiet, energy efficient complex.

"After installing other ICF wall systems, the flexibility of the individual panels that IntegraSpec® provides is by far my number one choice among ICF systems. IntegraSpec® has given us the flexibility of being able to pre install all door frames, window openings, and air conditioning sleeves. Since the owners are paying for heat and cooling costs, the senior citizen residence will give the owners their maximum return on their investment, as well as the savings from the construction costs since this building will have 90% of the exterior as stucco."

- Juan Andrés, Insulated Concrete Solutions

AWARDS: Received the 2005 Best Heavy Commercial ICF Project Award and Best Overall ICF Award by ICF Builder. Presented at the International Builders Show held in Orlando, FL.



FEATURE PROJECT



PROJECT: Dothan, Alabama Residence

Dothan, Alabama

ARCHITECT/ICF CONSULTANT: David Lindsey

Fairhope, Alabama

CONTRACTOR: Harry Wingham

Kinston, Alabama

TECHNICAL SUPPORT: EMM Group

Ottawa, Ontario

FEATURES: IntegraSpec® wallsystem foundation to upper floor levels using various concrete thicknesses as required. 12" concrete main floor slab.

BENEFITS: This 24,000 ft² residence incorporates a 12" concrete core IntegraSpec® foundation, 16' high with two 10' stories of 6" IntegraSpec® on top. The 8' tall colonnade walls were constructed using a 19" IntegraSpec® concrete core. The contractor was extremely impressed with IntegraSpec®, having been told by other ICF contractors that a structure of this magnitude could not be done. Mr. Wingham was noted to say, "IntegraSpec® made it look easy".

"When searching for an ICF for this project, IntegraSpec® was the only system that could possibly achieve the wall thickness and accuracy required for this home. IntegraSpec®'s unique independent panel design virtually eliminated waste and assembled faster on site than other systems. Walls were formed and erected with easy to cut, reversible panels held with powerful interlocking webs. No Blocks Required! When asked about using an ICF, I proudly state: Insist on The Original IntegraSpec®, the imitations won't do".

- David Lindsey



FEATURE PROJECT**PROJECT:** Woodcliffe Park Apartments

Clayton Park, Halifax, Nova Scotia

ARCHITECT: J Douglas Miller – BMP Projects Dev Ltd.

Bedford, Nova Scotia

CONTRACTOR: Peter and Steve Giannoulis

Halifax, Nova Scotia

ENGINEER: Pinto Engineering Ltd

Halifax, Nova Scotia

INTEGRASPEC® SUPPLIER: Kent Building Supplies

Lower Sackville, Nova Scotia

ICF CONSULTANT: Kelvin MacPhee

Halifax, Nova Scotia

FEATURES: This six story, 96 unit, 150,000 ft² apartment building was constructed with handset, suspended 8" floor slabs. The contractor insisted on using their existing crew, wood bracing, and shoring. Onsite training and wood bracing were utilized with very professional results and speed.

BENEFITS: This property is on top of the highest hill in Halifax, and is exposed to the North Atlantic Ocean and high winds. All walls and floor slabs were poured during winter months with no heat required. This building was designed in conventional concrete construction, and converted to IntegraSpec® without waste or additional costs. Two months of construction were saved by the use of IntegraSpec®!

"Halifax, Nova Scotia, is a mature ICF marketplace. We had watched from the sidelines for the past fifteen (15) years. We were convinced that ICFs were energy efficient, but were confused by the numerous ICFs and all their claims. Mr. MacPhee took the time to explain the features and benefits of IntegraSpec® ICF. We are so impressed with the user friendliness of IntegraSpec®, we are constructing a sister building to this one with IntegraSpec® ICF, to the delight of our crew."

- Peter and Steve Giannoulis



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. Concrete Composite Floors (CCF). 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 Floors 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 1½" furring strips ensures a single material substrate for extended stucco warranties. Quiet accommodation for all guests notwithstanding proximity to I-75. IntegraSpec® and Concrete Composite Floors combination meets and exceeds all fire codes. IntegraSpec® exterior panels require no additional bulkheading for Concrete Composite Floor concrete placement.

"IntegraSpec, Concrete Composite Floors, and the stucco exterior were 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 Concrete Composite Floors decks and IntegraSpec interior walls simultaneously, utilizing 2½" vibrators with no adverse effects on the formwork. The five foot tower on the fourth storey roof was poured prior to the Concrete Composite Floors 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 ¼" ± 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



FEATURE PROJECT



PROJECT: Grande Caribbean Condominium Orange Beach, AL
ARCHITECT: David Lindsey, Architect Fairhope, AL
GENERAL CONTRACTOR: Coastal Builders Inc. Mobile, AL
ICF DISTRIBUTOR: IntegraSpec GulfSouth Fairhope, AL



FEATURES: This 160,000 ft², condominium was constructed in a hurricane / tidal surge prone area. The Grande Caribbean features 101 units with ground level and underground parking, unique parapet walls and IntegraColumns.

BENEFITS: Fast construction with very little waste. IntegraSpec® totally eliminated the need for cranes and other heavy equipment. This project attracted 100% presales from clientele who wanted a quiet, safe, healthy, and energy efficient condo. In 2004 this area of Alabama was hard hit by Hurricane Ivan, the inhabitants of this condominium only suffer minimal damage to roof sheathing, the IntegraSpec® walls kept everyone safe from the storm, while other surrounding buildings were devastated.

"IntegraSpec®'s versatility and strength were appreciated every step of the way. This project's demanding design and Coastal Builders' insistence on accuracy eliminated other construction methods and concrete forms. IntegraSpec®'s per square foot installed cost ensured our profit margins were maintained. My clients are already planning more of these incredible buildings."

- David Lindsey, M.Arch.



FEATURE PROJECT



PROJECT: Christ Church Parish Centre Kingston, Ontario

DESIGNER: Nicholas Nikiforuk Kingston, Ontario

ICF DISTRIBUTOR: Insulated Concrete Solutions Kingston, Ontario

FEATURES: 6" IntegraSpec® 4' frost wall and main exterior walls ranging from 12.5' to 28.5' high.

BENEFITS: This 8000 ft² church incorporates a worship area, multi purpose function centre, offices, and auxiliary rooms into a fully operating church and celebration centre. The church is located on a main access road and is located close to other century old churches. The building committee members wanted a wall system that could reduce external noise, provide long-term energy efficiency, and fit into a historical setting. IntegraSpec® delivered everything the church needed.

"Our goal in building this new facility was to construct a building that would last for generations to come. We wanted a structure that was extremely energy efficient and durable to reduce future operating and maintenance costs. Through grants, fund raising, and donations from the congregation, we were able to raise funds for our millennium church. Originally we needed more space for our growing parish; however, we have quickly realized the added benefits of a dry, warm, functional building that IntegraSpec® delivered."

- Nicholas Nikiforuk



FEATURE PROJECT

**PROJECT:** Pine Grove Church

Kingston, Ontario

DESIGNER: Nicholas Nikiforuk

Kingston, Ontario

ENGINEER: Tam Engineering

Kingston, Ontario

ICF SUPPLIER: IntegraSpec Kingston

Kingston, Ontario

FEATURES: This 9,000 ft² church is constructed with 8" concrete cavity, commercial corners, radiant floor heating, five foot post compacted frost wall with brick ledge and integrated steel into slab. The side walls are 18' tall, 128' long, with 32' high end gables. This project utilized IntegraBucks and has a 64' scissor truss span. The IntegraSpec® wallsystem allowed the inclusion of multiple angled walls, sloping gables, and sloped step sills for roof trusses without waste.

BENEFITS: Fast, accurate construction to lock up stage using volunteer labour - only two licensed installers on site, supervising volunteers, reducing overall costs and allowing the project to come in under budget. IntegraSpec® competed against other rigid block ICFs but was quickly chosen for its extremely low waste, utilizing the patented independent panels efficiently, especially in all of the gables.

"We were initially very impressed with IntegraSpec®'s versatility, strength, and accuracy. These features benefited us with a fast, professional 'lock up', as winter was fast approaching. We were further impressed as our volunteer work force quickly adapted to IntegraSpec®'s 'User Friendliness' and controlled our costs, without compromising our finished product. Highly recommended."

*- Doug Thompson P Eng
Pine Grove Church Building Committee Chair*



FEATURE PROJECT**PROJECT:** Lailey Vineyard

Niagara on the Lake, Ontario

ICF DISTRIBUTOR AND CONTRACTOR: Grand River Group

Guelph, Ontario

DESIGNER: Barry Isenor Design

Toronto, Ontario

ICF SUPPLIER/INSTALLER: Insulated Concrete Solutions

Kingston, Ontario

FEATURES: 6" and 8" IntegraSpec® wallsystem on an engineered Leggalet heated slab. Hambro steel and concrete composite second floor with Wirsbro radiant floor heating system and Hambro roof.**BENEFITS:** This is the first insulated concrete winery in the Niagara region but certainly not the last. IntegraSpec® easily allowed the owners of this vineyard / winery the luxury of having a temperature / climate controlled environment necessary to operate their wine processing and storage facility. IntegraSpec®, incorporated with the concrete floor system, naturally delivers a sterile location to bottle their precious products.

"As an experienced ICF installer, I thought using a new ICF was going to be a large learning curve. I was pleasantly surprised to find out that IntegraSpec® was much easier to install. The building went up faster than anticipated and my clients were happy about saving costs and time compared to other ICFs. I look forward to my next project with IntegraSpec®, the User Friendly ICF."

- Otto Wyga

