Integra SPEC®

ICF BUILDING SYSTEM

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LEED the Way with IntegraSpec's Sustainable ICF Building System

- **Recycled Materials** - **IntegraSpec** ICF forms are manufactured from EPS (Expanded Polystyrene) raw material. **IntegraSpec**'s unique locking / sliding web design and panel's inserts are manufactured with 100% reprocessed (95% post industrial feedstock and 5% post consumer feedstock) high impact polystyrene plastic material (representing approx. 50% recycled material by weight and costs of the manufactured **IntegraSpec** ICF units).

- **Waste Reduction** - **IntegraSpec**'s unique ICF patented design panelized form system has no top, bottom, left, or right interlocking form orientations. Large and small cut portions are easily utilized during construction with hardly any waste left over once construction is completed. Also savings on transportation (65% saving compare to an ICF block), land fill, and tipping fees. **IntegraSpec** ICF is 100% recyclable with credits contribution to LEED's Materials and Resources (MR) category.

- **Building Sustainability** - **IntegraSpec** ICF system provides a fully reinforced concrete structure which will last for hundreds of years and many generations to come. The stable concrete wall structure is completely insulated and protected from all elements, and will not decay, spall, or deteriorate due to freeze thaw cycles, acid rain, humid or dry climate, etc. It's also resistant to fire (3^{+} hrs fire rating), earthquakes, hurricanes, tornadoes, projectiles and debris (which provides a more secure living / working / educational / shelter environment). Substantial energy savings with virtually no maintenance are also tremendous sustainable attributes of **IntegraSpec** and its contribution to LEED credits.

- **Mold Resistant** - **IntegraSpec** ICF will not support mold growth or any dew points within the wall structure, assuring healthier indoor living and working environments with substantial energy savings and a maintenance free building envelope.

- **Energy Performance** - **IntegraSpec** ICF wall structures provide substantial thermal performance and energy savings (70% up to 100% with Net Zero construction). **IntegraSpec**'s SantaFe window buck design also provides a wider visual angle and allow more day light inside. Reduction on energy equipment sizes and costs are also great attributes in carbon footprint reduction and contributions to LEED's Energy & Atmosphere (EA) credits.

- **Improved Indoor Air Quality** – **IntegraSpec**'s ICF have incorporated dovetail grooves on the inside of each (concrete side) form unit, which permanently mechanically bonds the concrete to the **IntegraSpec** ICF, therefore negating any air leak, stack effect, or water infiltration through the walls structure. The weather / air tight structure enables the indoor efficient heating / cooling / air control and filtration, creating a much safer and healthier and allergy free living / working environment with no VOCs or other chemicals being emitted from the **IntegraSpec** ICF building envelope. Contributes to LEED Indoor and Environmental Quality (IEQ) credits.

- **IntegraSpec** ICF projects have won many environmental, green, healthy, and energy efficient awards over decades with various certifications such as LEED, Net Zero, Passive House to name a few. **IntegraSpec** provides the best global sustainable construction building system which naturally provides substantial contribution to LEED's various credit designations (both direct and indirect), reduction of carbon emissions and footprint, environmental, sustainable, healthy, and green benefits. At a minimum, IntegraSpec ICF system can achieve a LEED Certified status of 40+ points alone. Contact a LEED AP / consultant for more information and or assistance with your next LEED construction project.