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2012 SIPA Building Excellence Award Submittal:

Project Name: Freehill Agriculture Farm Shop
905 East 1200 North Road
Melvin, IL. 60952

Dimension: 100x128-22' tall

Manufacturer: **Energy Panel Structures (EPS)** www.epsbuildings.com

The agriculture structure has been designed and built for a machine shop to service the Freehill farm equipment. Consolidated Building Center utilizing the Energy Panel Structures SIPS system solid core <http://www.epsbuildings.com/PDFs/Solid%20Core.pdf> in the East Central Illinois agriculture new construction market has provided for strong referrals for the company. Consolidated Building Center installation best practices, project site management, and focus on customer's needs with a thorough assessment of product implementation has provided market share growth for Structural Insulated Panel Systems.

Consolidated Building Center's past performance and effective partnership with Energy Panel Structures, and the energy savings, with product durability made Jim Freehill's decision to select the SIPS product for his large machine shop a solid investment decision.

The EPS system provided is an expanded polystyrene closed cell construction 8-1/2" R-33 wall system. The implementation of the 100' clear span roof trusses with no piggybacks, and overhangs pre-fabricated provided for a safer project site implementation. The roof truss components included the code required draft stop design, and the integration of the power lift door systems <http://www.powerliftdoors.com> hydraulic doors with structural steel beams and columns provided by EPS provided a challenge for Consolidated Building Center installation