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Greg Hardwick, P.E.
President and Owner
407-702-6531
greg@hardwickgc.com
www.hardwickgc.com

CANIN ASSOCIATES
architectural design studio

Tony Weremeichik, CPBD, AIBD, CGP
Principal, Architectural Design Studio
407-422-4040
tweremeichik@canin.com
www.canin.com

about the project

Hardwick General Contracting (Hardwick G.C.) is pleased to present a green renovation and deep energy retrofit to builders and industry professionals at the 2010 Southeast Building Conference and Green Building Show. This renovation is planned to be certified under the National Association of Home Builders (NAHB) Green Building Standard – ICC 700-2008 and the Florida Green Building Coalition (FGBC) Green Home Standard. Additionally, the project will be ENERGY STAR® certified and will qualify for the Department of Energy's Builders Challenge.

The homeowners sought out Greg Hardwick of Hardwick G.C. because of Hardwick's expertise, national accolades

and proven track record of building with sound green building principles. Other core project team members include a professional home designer, Tony Weremeichik, CPBD, AIBD, CGP of Canin Associates' Architectural Design Studio, Green Verifier Tracy DeCarlo of One Stop Green Certification and many other Member Trade Partners and Suppliers of the Home Builders Association of Metro Orlando, all of whom will be present to answer questions during the event.

This project is a must-see for builders and industry professionals, as this will be one of the rare occasions to observe a renovation project in progress. The builder plans to be at the pre-drywall stage of construction and ready for a Thermal By-Pass inspection within a few days of the tour. Attendees will have an opportunity to see the components and systems "behind the walls" that ensure optimal energy efficiency and indoor air quality. Attendees will also be able to observe applied construction techniques required to certify home renovations.

This home was originally built in 1978. The scope of work includes renovating the existing 1,100 sq.ft. of space while expanding it with an additional 1,300 sq.ft. of conditioned space, with a covered lanai and pool. The home features three bedrooms, three flex rooms, two bathrooms, an outdoor living area, and a great room with 16' tall ceilings.

The home site included existing mature canopy trees in the rear of the lot that shaded the home and the new design took these elements into consideration. The south-facing windows and back patio are shaded under a covered lanai and windows were kept to a minimum on the western walls. The floor area within the thermal envelope was kept under 2,400 sq.ft. in order to "right-size" the rooms to the needs of the homeowners. All new interior walls conform to grid dimensions that correspond with spacing and sizes of common building materials to minimize construction waste. The homeowners wanted to preserve and re-use the existing cedar planks on the outside of the home, the cabinets, the kitchen sink and any other materials in good condition that could be salvaged. The slab from the demolished secondary building was saved to finish and complete the existing driveway that was created previously by the home owner with recycled small slabs of concrete.

about Hardwick General Contracting

Greg Hardwick, P.E., president and owner of Hardwick G.C. has been in the multi-million dollar construction business for over 15 years. He is a LEED Accredited Professional (LEED AP) through the US Green Building Council (USGBC), is designated as a Certified Graduate Builder (CGB) and Certified Green Professional (CGP) by the National Association of Home Builders (NAHB). Hardwick is an advocate for the NAHB Green program and a Member of the Florida Green Building Coalition and the USGBC. An active member of the Home Builders Association of Metro Orlando, Hardwick was instrumental in the establishment of the HBA's Green Building Committee and served as the group's Chairman for the initial two terms. Greg has a Bachelor's Degree in Civil Engineering and a Masters Degree in Engineering Management.

Hardwick G.C. recently won national acclaim when he was awarded the 2009 NAHB Green Remodeling - Project of the Year. Hardwick G.C. was proud to have received the first-ever Florida Green Building Coalition (FGBC) Platinum certification on another recent residential remodeling project, and has continued to certify other homes at the PLATINUM Level.

directions

Take I-4 east to exit 94, take ramp right for SR-434 toward Winter Springs. After 5.8 mi., turn right onto Hayes Rd. After 0.3 mi., turn left onto Sailfish Rd. Project is located down the street on right side. *645 SAILFISH ROAD, WINTER SPRINGS, FLORIDA.*