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BLACKSTAR
— COMPANIES —

STRUCTURAL INSULATED PANELS

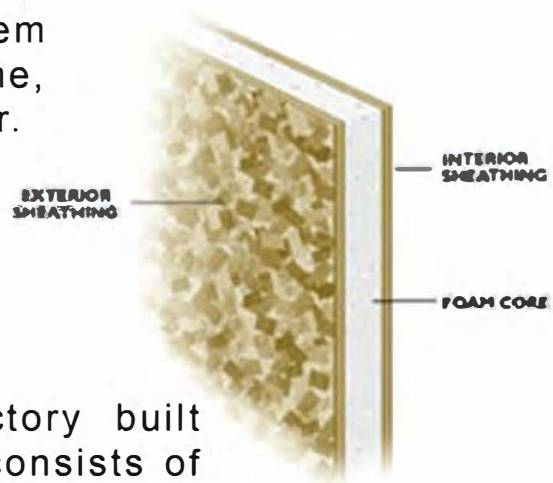
BlackStar SIPS provides a full line of services involving Structurally Insulated Panel Systems, also known as SIPS. (Structurally Insulated Panels) Our business is comprised of some of the greatest minds in the industry with over 50 years of experience in SIPS technology allowing us to offer an unparalleled expertise and versatility.

BlackStar SIPS is not simply a SIPS manufacturer; we also make available several other services for our customers. We can help you with your design, on-site technical assistance, SIPS installation training, project development, International marketing, and much more.

BLACKSTAR
— COMPANIES —

ENERGY STAR **FGBC**
FLORIDA GREEN
BUILDING COALITION

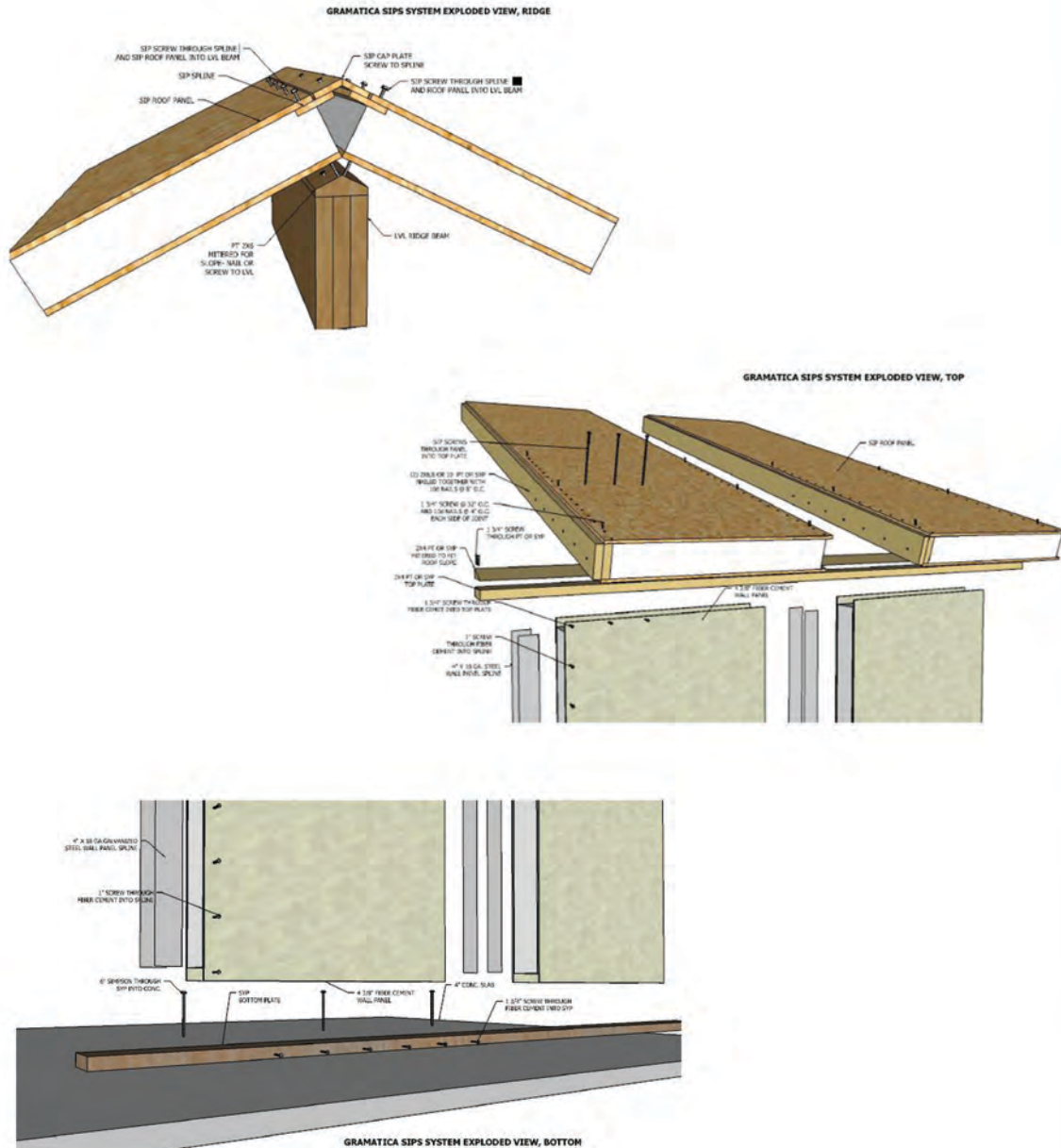
Sips panel construction is a componentized panel system that reduces construction time, material cost and on-site labor.



SIPS panel construction factory built Roof, Floor and Wall panels consists of a Fiber Cement Board or Moisture Resistant OSB panel.



The Panelized Construction System (a strong wind frame anchored to an engineered concrete foundation) joins a factory built wall and roof system to produce a Strong, Durable and Energy Efficient structure



SIPS panels can be used for the construction of Green, Energy Efficient buildings such as:



Affordable Homes



Luxury Homes



Multi-Family Homes



Commercial

Benefits of SIPS Panel Construction

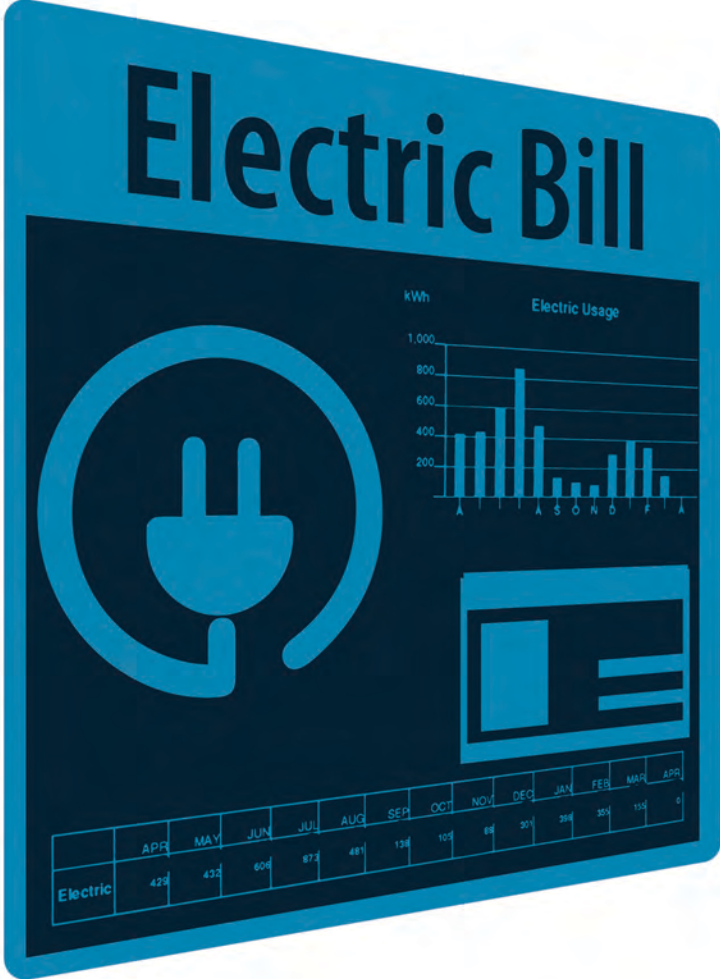
- ➔ Fast production in a factory quality controlled environment.
- ➔ Quick and Easy assembly on site.
- ➔ Green technology doubles insulation values of stick built structures.
- ➔ High wind velocity Florida product approved.





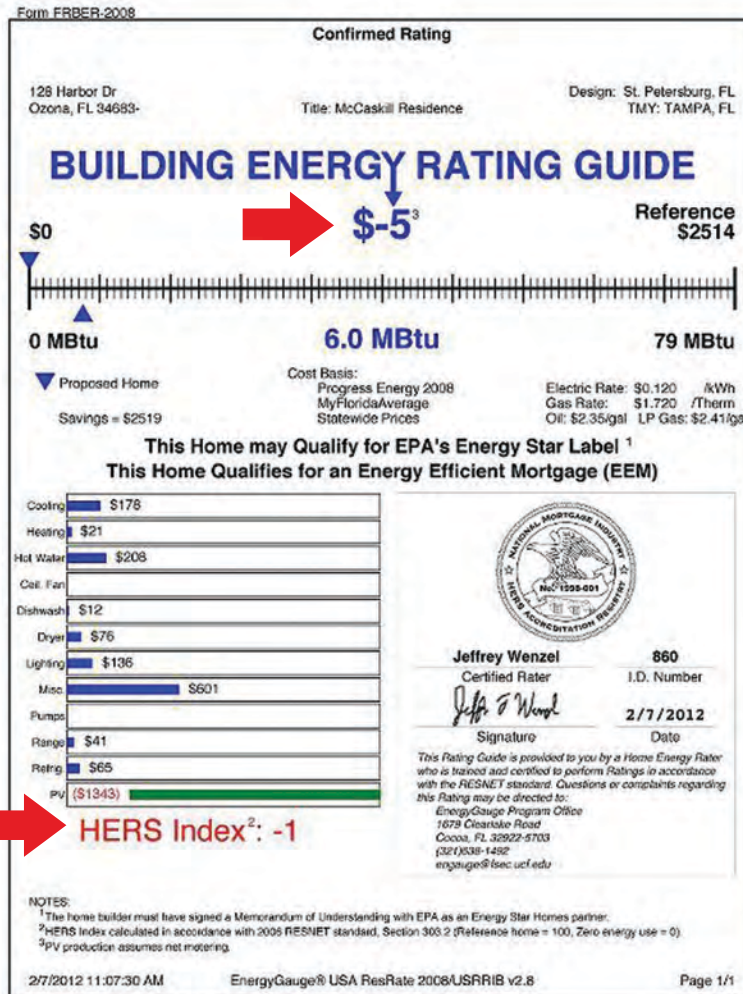
ENERGY EFFICIENT

Benefits of SIPS Panel Construction



Energy Efficiency Factor can provide a 30% to 70% savings on electric bills.

Benefits of SIPS Panel Construction



Benefits of SIPS Panel Construction

Electric Bill
LIFE RUNS ON ENERGY.

Visit our Web site at tampaelectric.com

Average kWh per day	
Dec 2010	22
Nov	2
Oct	2
Sep	2
Aug 2010	10

Report a malfunctioning streetlight:
Tampa Electric's "Lights Out?" form at tampaelectric.com makes it easy to report a malfunctioning light. Simply answer a few questions, and provide the ID number located on the light pole, or provide the nearest address or landmark. If you prefer to reach us by phone, please call (813) 223-0800 in Hillsborough, (863) 299-0800 in Polk, or 1-888-223-0800 all other counties.

December Billing Information: 700084 ENR

UNITED BUSINESS PARK
13365 HILLSBOROUGH AV #B
TAMPA FL 33635-0000

Account Number: _____ Statement Date: Dec 29, 2010

Meter Number	Current Reading	Previous Reading	Diff.	Multi.	30 day period
E67935	01201	00536	665	1	

Next Read Date On Or About Jan 25, 2011 Total kWh Purchased 665

Account Activity	Explanation	Charge	Total
Previous Balance		17.37	
Payments Received - Thank You	As of December 29, 2010	-17.37	
			\$0.00
New Charges Due by Jan 20, 2011		Service from Nov 22 to Dec 22	
Customer Charge	General Service 200 Rate	10.50	
Energy Charge	665 kWh @ \$.06106/kWh	40.61	
Fuel Charge	665 kWh @ \$.04517/kWh	30.04	
Electric Service Cost		\$81.15	
Florida Gross Receipts Tax	Based on \$81.15	2.08	
Florida Sales Tax-energy/Fuel	Based on \$83.23	6.66	
This Month's Charges			\$89.89
<i>Amount not paid by due date may be assessed a late charge of 1.5% or \$5.00, whichever is</i>			
Total Due			\$89.89

Customer Service - Business Hillsborough Co: 813.228.1010. **All Other:** 1.866.TECO.BIZ (866.832.6249)



Benefits of SIPS Panel Construction



SIPS

2 SIPS Buildings
4,500 sqft each
5 ton A/C
Average Monthly Cost

\$250



BLOCK

2 Block Buildings
4,500 sqft each
10 ton A/C
Average Monthly Cost

\$750



STRENGTH

Benefits of SIPS Panel Construction



SIPS PANEL STRENGTH TEST

10,000+ lbs. Truck and Accessories
atop SIPS roof and wall panels

SIPS GALLERY Floor Systems





sipsgallery





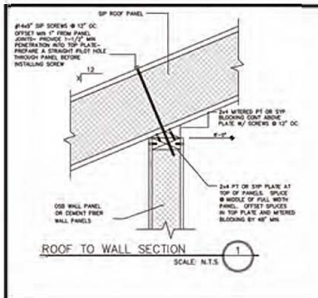




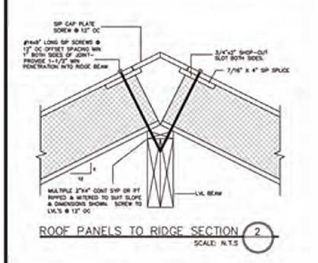




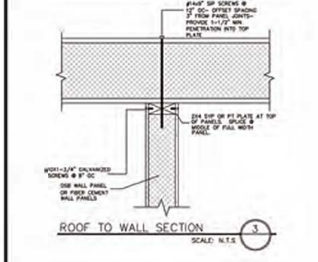




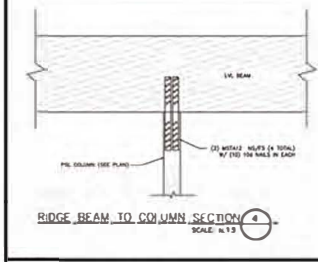
ROOF TO WALL SECTION 1
SCALE: N.T.S.



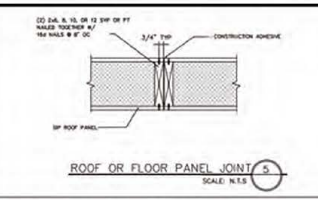
ROOF PANELS TO RIDGE SECTION 2
SCALE: N.T.S.



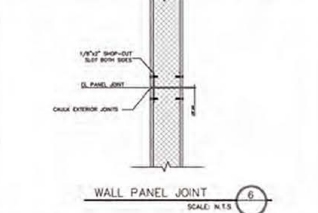
ROOF TO WALL SECTION 3
SCALE: N.T.S.



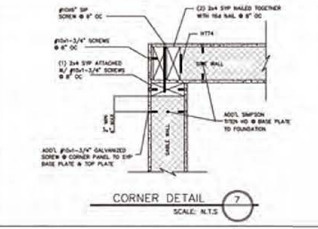
RIDGE BEAM TO COLUMN SECTION 4
SCALE: N.T.S.



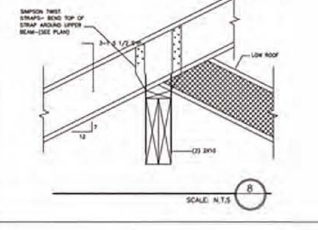
ROOF OR FLOOR PANEL JOINT 5
SCALE: N.T.S.



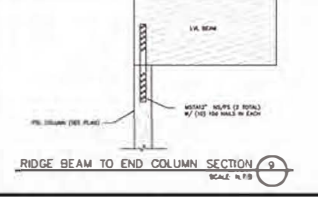
WALL PANEL JOINT 6
SCALE: N.T.S.



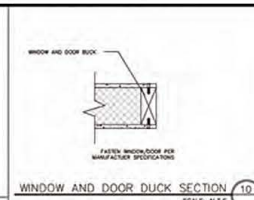
CORNER DETAIL 7
SCALE: N.T.S.



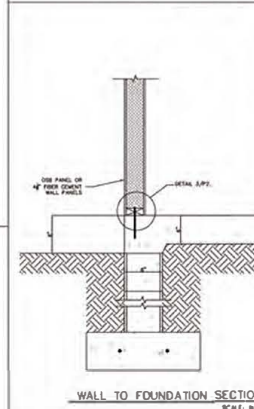
SCALE: N.T.S. 8



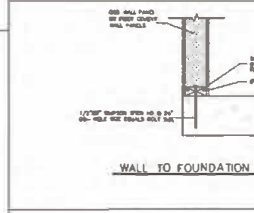
RIDGE BEAM TO END COLUMN SECTION 9
SCALE: N.T.S.



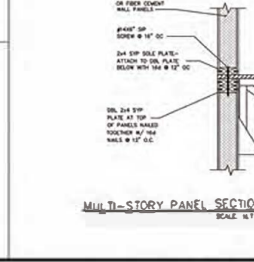
WINDOW AND DOOR DUCK SECTION 10
SCALE: N.T.S.



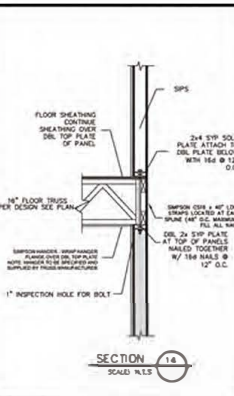
WALL TO FOUNDATION SECTION 11
SCALE: N.T.S.



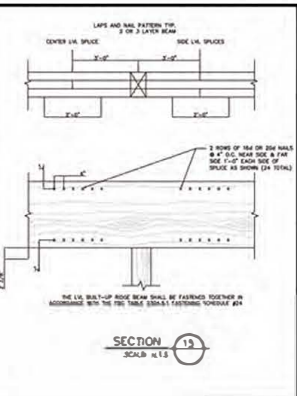
WALL TO FOUNDATION SECTION 12
SCALE: N.T.S.



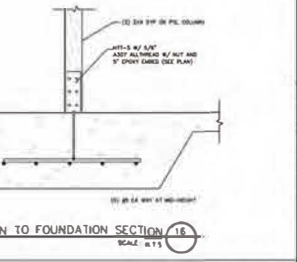
MULTI-STORY PANEL SECTION 13
SCALE: N.T.S.



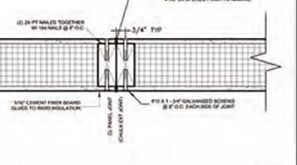
SECTION 14
SCALE: N.T.S.



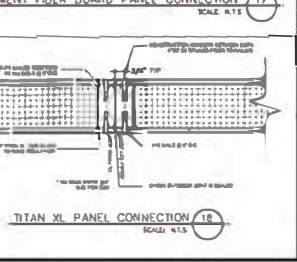
SECTION 15
SCALE: N.T.S.



COLUMN TO FOUNDATION SECTION 16
SCALE: N.T.S.



CEMENT FIBER BOARD PANEL CONNECTION 17
SCALE: N.T.S.



TITAN XL PANEL CONNECTION 18
SCALE: N.T.S.

BLACKSTARR
COMPANIES

FLORIDA

REV.	DATE & COMMENTS	BY

STANDARD DETAILS

JOB NUMBER: 125260
DATE: JANUARY 7, 2014
DRAWN BY: [blank]
SCALE: [blank]

SHEET NUMBER
S2
SIGN & SEAL



888-864-7773

LES@BSCSGI.com

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